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GROWTH and LABOR CHARACTERISTICS of MANUFACTURING INDUSTRIES

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Growth and Labor Characteristics of Manufacturing Industries

Prepared for

INDUSTRY STUDIES DIVISION

Office of Deputy Assistant Secretary
for Economic Development Planning

ECONOMIC DEVELOPMENT ADMINISTRATION

By

Economic Associates, Inc.
Washington, D.C.

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U.S. DEPARTMENT OF COMMERCE

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FOREWORD

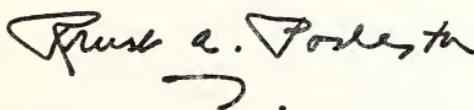
The Public Works and Economic Development Act provides important tools to augment the self-help efforts of areas suffering from chronic unemployment or underemployment.

To stimulate economic growth and to help create new job opportunities in these areas, the Act provides:

- Loans to new or expanding industries;
- Loans and grants to communities for public facilities that are vital if new firms are to get started or existing ones are to expand;
- Technical assistance to help find answers to long-standing economic problems.

Before a redevelopment area can take advantage of these Federal aids, it needs to know where it's going and how it plans to get there.

This publication was prepared to help local economic development groups and others concerned with economic development in their efforts to locate and attract new and expanding industry. The growth characteristics of manufacturing industries provided in this booklet will permit a concentration of these efforts on those industries having the greatest economic development potential.

A handwritten signature in black ink that reads "Robert A. Podesta". The signature is fluid and cursive, with a small dot at the end of the main line.

Robert A. Podesta

Assistant Secretary for Economic Development

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INTRODUCTION

This study is designed as a technical tool and research aid for those working in the industrial development field. Specifically, the study lists manufacturing industries ranked by growth trend and provides supporting information on labor characteristics. Its purpose is to provide a starting point for individuals and agencies in their efforts to locate and attract new industry to redevelopment areas.

While the study responds to a wide variety of questions, the following probably represent those of greatest interest to area redevelopment officials:

- Which industries show growth potential and, therefore, present industrial development opportunities?
- Which industries are declining, or have shrunk substantially from previous peaks, and, therefore, may be troubled by excess production capacity?
- Within a particular industrial category, which industries have the greatest, or least, growth potential?
- Does industry A or industry B have the better growth record?
- How does a particular industry rank in its investment in plant and equipment?
- Which industries are likely to place greatest emphasis on low wage labor? On an abundance of production type workers?
- What is the size of a given industry (or product class) as represented by value of shipments?

The primary emphasis of this study, then, is (1) on industry growth characteristics, because the growing industries are those which will be locating new plants, and (2) on labor characteristics, because those industries that will effectively employ surplus labor are the prime focus of area development activity.

The substance of the study is presented in three tables and attendant explanations. Complete reading of the explanatory material with each table is necessary for effective use of the study.

TABLE I

Growth and Labor Characteristics of Selected Manufacturing Industries

DESCRIPTION OF CONTENTS

The 411 manufacturing industries in Table I of this study are those with four-digit Standard Industrial Classification (SIC) codes. SIC codes refer to the breakdown of industry into major categories and several stages of subcategories, as defined by the Executive Office of the President, Office of Management and Budget, and as used by the Bureau of the Census. The level of manufacturing industry detail ranges from two-digit codes (major industry groups) to seven-digit codes (products). For example:

<i>Industry breakdown</i>		<i>Industry product, etc.</i>
Major industry group	20	Food and kindred products
Industry group	203	Canned and frozen foods
Industry	2033	Fruits and vegetables, etc.
Product class	20331	Fruits
Product	2033113	Applesauce

The Table I industries are rated for growth trends, recent and long-term; the year of peak employment during the 1953-67 period; the percentage decline, if any, from the peak employment year to 1967; capital formation or the relative growth in investment for plant and equipment; and three labor characteristics: average wage rate for production workers, blue collar workers as a percentage of total employment, and labor intensity (production workers wages as a percentage of value added by manufacture).

The industries are grouped in categories according to their recent growth trend—1958 through 1967. The long term trend—1958 versus 1967—is also listed and can be used for comparative purposes. Industries whose data show a sharp contrast between the recent trend and the longer term trend may need more extensive investigation. It is probable, however, that the 1958-67 trend will be the more significant of the two.

Within the growth categories, the industries are listed by SIC code order. In this way, the Table I listing permits quick selection of the top growth industries in each major industry group. For example, the top growth industries among the Food and kindred products industries (SIC 20) are Frozen fruits and vegetables (SIC 2037), which falls in

the Very High Growth (VHG) category, and two other industries, Dehydrated food products (SIC 2034) and Blended and prepared flour (SIC 2045), which fall in the High Growth (HG) category.

For quick reference, the two-digit SIC codes for major industry groups are as follows:

<i>S/C</i>	<i>Industry Group</i>	<i>S/C</i>	<i>Industry Group</i>
20	Food and kindred products	31	Leather and leather products
21	Tobacco manufactures	32	Stone, clay, and glass products
22	Textile mill products	33	Primary metal industries
23	Apparel and related products	34	Fabricated metal products
24	Lumber and wood products	35	Machinery, except electrical
25	Furniture and fixtures	36	Electrical machinery
26	Paper and allied products	37	Transportation equipment
27	Printing and publishing	38	Instruments and related products
28	Chemicals and allied products	39	Miscellaneous manufacturing
29	Petroleum and coal products		
30	Rubber and plastics products, n.e.c.		

Criteria used and key to symbols

The informational key to each of the columns in Table I and the symbols used are as follows:

Table stub:

1. The SIC code identification of industries.
2. List of industries identified by short descriptive title and grouped by growth categories developed by comparison of average annual employment in the 1958-60 period and the average for 1966-67. The growth categories are as follows:

VERY HIGH GROWTH (VHG): 1966-67 average annual employment versus 1958-60 equals 50-percent gain or better. In other words, average employment for the 2-year period 1966-67 exceeds the average employment for the 3-year period 1958-60 by 50 percent or more. Includes 40 industries.

HIGH GROWTH (HG): 1966-67 average annual employment versus 1958-60 equals 30-percent to 50-percent gain. Includes 59 industries.

MODERATE GROWTH (MG): 1966-67 average annual employment versus 1958-60 equals 10-percent to 30-percent gain. Includes 134 industries.

STATIC (S): average annual employment in 1966-67 rose above 1958-60 by less than 10 percent. Includes 58 industries.

DECLINING (D): average annual employment in 1966-67 declined from the 1958-60 average. Includes 120 industries, 70 of which declined by less than 15 percent and 50 of which declined by more than 15 percent.

Column Headings

Column (1)—1967 Employment Relative to Peak Year. The peak year for total employment in each industry and the percentage, if any, by which 1967 employment has shrunk from the peak year. The column attempts to provide a rough indication of the amount of excess productive capacity, if any, in a particular industry. This is based on the assumption that the various industries were operating at or near capacity in the peak year, and that any decline from the peak year would indicate the existence of excess production capacity in the industry. The validity of this assumption is reduced by the spread in time between 1967 and the peak year, since the nature or size of an industry's production capacity will change with the gradual abandonment and/or construction of production facilities. On the other hand, a decline from a recent peak year may be of a cyclical or temporary nature.

All of the industries listed as having "Very High Growth" had their peak year in 1967, whereas most of the "Static" and "Decline" industries peaked much earlier.

In summary, 137 industries (33 percent of the total number) reached their employment peak in 1967; 110 industries (27 percent) declined between zero and 10 percent from the peak year; 65 industries (16 percent) declined 10-20 percent; 50 industries (12 percent) declined 20-30 percent; 23 industries (6 percent) declined 30-40 percent; and 26 industries (6 percent) declined over 40 percent. On a cumulative basis, 33 percent of the industries declined not at all, 60 percent declined less than 10 percent, 76 percent declined less than 20 percent, 88 percent declined less than 30 percent, and 94 percent declined less than 40 percent.

Peak years were determined from among those years back through 1953 for which data were available. Peak employment was reached in 1967 by 137 industries, in 1966 by 82, and in 1953 by 53. The remaining 139 industries reached their peak, as many as 24 in 1956 or as few as 2 in 1961, during the 12-year period from 1954-65.

Column (2)—Long Term Growth Trend. Symbols in this column measure growth based on the ratio of the industry's 1967 value added by manufacture to its 1958 value added as related to the all manufacturing industry average. The key to the symbols used is as follows:

VHG: Very high growth, 1967/1958 ratio exceeds 130 percent of

that for all manufacturing. Includes 47 industries.

HG: High growth, 1967/1958 ratio equals 110 percent to 130 percent of that for all manufacturing. Includes 73 industries.

MG: Moderate growth, 1967/1958 ratio equals 90 percent to 110 percent of that for all manufacturing. Includes 110 industries.

S: Static, 1967/1958 ratio equals 70 percent to 90 percent of that for all manufacturing. Includes 119 industries.

D: Declining, 1967/1958 ratio is less than 70 percent of that for all manufacturing. Includes 61 industries.

Since the symbols describe trends computed by comparing only two points in time, 1958 and 1967, the long term rating may be affected unduly by annual production variations, industry to industry. The trend based on the average annual employment in 1958-60 compared with 1966-67 may on the whole be a more valid indicator of industry growth potential.

Column (3)—Capital Formation. This indicator compares an industry's total gross value of depreciable assets (plant and equipment) at the end of 1963 and 1967, and on a relative basis provides a comparison of one industry with another. The underlying data represent the actual cost of the assets at the time they were acquired. Whenever a plant changes ownership, however, the new owner typically uses an appraised or purchase value. In industries where there have been numerous changes of ownership, the value of the assets may have dropped off substantially. Declining valuation, therefore, to some extent might be the result of accounting practices. On the other hand, the underlying values represent book value (original cost) of fixed assets, and a substantial increase in the data reported for an industry would indicate a major increment of growth in facilities for manufacturing. The data on book value are secured by sampling manufacturing establishments and, at times, may be subject to high sampling variation which, if excessive, leads to withholding of the information. The key to the symbols used to show changes from 1963 to 1967 are as follows:

VH: Very high additional investment in plant and equipment, roughly 85.0 percent or more above the 1963 aggregate book value, by 25 industries.

H: High additional investment over 1963, between 50.0 and 84.9 percent, by 94 industries.

M: Moderate additional investment over 1963, from 25.0 to 49.9 percent, by 150 industries.

L: Low additional investment over 1963, between zero and 24.9 percent, by 87 industries.

VL: Very low or negative investment, from 1963 to 1967, by 28 industries.

Column (4)—Average Wage Rate. This provides a rough indication of the skill levels required of production workers in the industry. An indication of lower skill levels may be important to a community development group whose main objective is to reduce unemployment among a large pool of lesser skilled individuals. On the other hand, an area in which wage rates and skills are above average likely would assemble its list of prospective industries from those that pay high wages. Symbols in this column represent categories based on 1967 annual wage for production workers divided by total hours worked. The key to the symbols used is as follows:

VH: Very high wages, over \$3.75 per hour. Includes 18 industries.

H: High wages, \$3.25 to \$3.74 per hour. Includes 76 industries.

M: Moderate wages, \$2.50 to \$3.24 per hour. Includes 175 industries.

L: Low wages, \$2.00 to \$2.49 per hour. Includes 98 industries.

VL: Very low wages, under \$2.00 per hour. Includes 44 industries.

Column (5)—Percent Blue Collar. This indicates the importance of production workers relative to managerial, professional, technical, and clerical employees. Industries with a relatively low percentage of blue collar workers will have a correspondingly high proportion of employees of the type that demand superior community amenities and services, such as education, recreation, health, and transportation facilities. High blue collar percentages may indicate industries that are more interested in a large labor supply. Symbols in this column represent categories based on production workers as a percent total employment in 1967. The key to the symbols is as follows:

VH: Very high, 90 percent or more. Includes 36 industries.

H: High, 85-89 percent. Includes 78 industries.

M: Moderate, 70-84 percent. Includes 216 industries.

L: Low, 55-69 percent. Includes 69 industries.

VL: Very low, under 55 percent. Includes 12 industries.

Column (6)—Labor Intensity. This is an indication of the overall importance of labor to a particular industry. Industries whose labor costs are high relative to their total costs will normally have an intense interest in the labor factor as a locational determinant. Whether this type of industry can be attracted to a particular community will depend upon whether its requirements for labor are white collar or blue collar, high skill production or low skill production. All of the labor factors, therefore, should be considered by an economic development group in targeting its efforts toward a select list of industries. (An example

of one such list is Table III.) Symbols in this column represent categories based on production worker wages as a percent of value added by manufacture in 1967. The key to the symbols is as follows:

VH: Very high, over 50 percent. Includes 15 industries.

H: High, 40-50 percent. Includes 101 industries.

M: Moderate, 25-40 percent. Includes 213 industries.

L: Low, 15-25 percent. Includes 62 industries.

VL: Very low, under 15 percent. Includes 20 industries.

SPECIAL COMMENT

In summary, the criteria used in the tables to describe growth characteristics have proved satisfactory for most of the industries. However, no single criterion for growth can accurately characterize all industries, since the trends in various economic sectors are often divergent. Homebuilding activity during the 1958-62 period was in an extended downtrend, thereby affecting the need for building products as a whole. Out of 24 industries readily identifiable as in building and related products, only one each then was in the VHG and HG groups, 4 were in MG, 14 were in S, and 4 were rated D. Industries in this group as of 1967, broadly speaking, were still on the downgrade, with 17 in 1967 in the static or declining category compared with 18 back in 1962. However, in 1967 a larger number, 12, were classified as declining, whereas only 4 were in decline in 1962. In terms of 1967 dollars, or in constant dollars, the volume of residential construction, a major consumer of building products, averaged in 1961-62 just about the same as the average for 1958-60. By 1969-70, however, though still 3.5 percent down from the 1958-60 level, homebuilding construction was better off, and current forecasts for the 1970's indicate strong expansionary growth, not only in homebuilding, but in most other sectors of the economy.

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
Very High Growth (VHG)	
2037	Frozen fruits and vegetables.....
2256	Knit fabric mills.....
2262	Finishing plants, synthetics.....
2272	Tufted carpets and rugs.....
2295	Coated fabrics, not rubberized.....
2327	Men's and boys' separate trousers.....
2391	Curtains and draperies.....
2519	Household furniture, n.e.c.....
2646	Pressed and molded pulp goods.....
2752	Printing, lithographic.....
2824	Organic fibers, noncellulosic.....
2843	Surface active agents.....
3079	Miscellaneous plastics products.....
3316	Cold finishing of steel shapes.....
3339	Primary nonferrous metals, n.e.c.....
3392	Nonferrous forgings.....
3399	Primary metal products, n.e.c.....
3497	Metal foil and leaf.....
3499	Fabricated metal products, n.e.c.....
3534	Elevators and moving stairways.....
3536	Hoists, cranes, and monorails.....
3537	Industrial trucks and tractors.....
3541	Machine tools, metal-cutting.....
3571	Computing and related machines.....
3589	Service industry machines, n.e.c.....
3622	Industrial controls.....
3635	Household vacuum cleaners.....
3651	Radio and TV receiving sets.....
3652	Phonograph records.....
3662	Radio, TV communication equipment.....
3672	Cathode ray picture tubes.....
3674	Semiconductors.....
3679	Electronic components, n.e.c.....
3742	Railroad and streetcars.....
3791	Trailer coaches.....

of Selected Manufacturing Industries

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1967	0.0	HG	H	L	H	M
1967	0.0	VHG	NA	L	H	M
1967 ²	0.0	HG	H	M	M	H
1967 ²	0.0	VHG	VH	L	M	M
1966	-1.1	VHG	M	M	M	M
1966 ²	-3.2	VHG	NA	VL	VH	H
1966 ²	-3.4	HG	NA	VL	H	H
1966 ²	-34.8	MG	VH	L	H	M
1966 ²	-4.3	MG	NA	M	M	M
1967	0.0	VHG	M	H	M	H
1966 ³	-3.2	VHG	VH	M	M	L
1967 ³	0.0	VHG	M	M	VL	L
1967 ²	0.0	VHG	VH	L	M	M
1967 ²	0.0	MG	NA	H	M	H
1967 ²	0.0	VHG	L	H	M	M
1967 ²	0.0	VHG	VH	H	M	M
1967 ²	0.0	VHG	H	M	M	M
1967 ³	0.0	VHG	L	M	M	M
1967 ²	0.0	VHG	H	M	M	M
1966	0.8	S	M	H	L	M
1967 ³	0.0	VHG	H	H	L	M
1967	0.0	D	M	M	L	VL
1953	-12.4	VHG	H	H	L	M
1967	0.0	NA	M	H	L	L
1967 ³	0.0	VHG	M	M	L	M
1956	-46.0	VHG	H	M	L	M
1953	-12.4	HG	H	M	M	L
1966 ³	-10.4	HG	VH	M	M	M
1967	0.0	MG	VH	L	M	M
1967 ³	0.0	VHG	M	H	VL	M
1967 ³	0.0	VHG	VH	M	M	L
1967 ³	0.0	VHG	H	M	L	M
1967 ³	0.0	VHG	VH	L	M	M
1953	-11.0	VHG	M	H	M	VH
1967	0.0	VHG	VH	L	H	H

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
3799	Transportation equipment, n.e.c.....
3831	Optical instruments and lenses.....
3841	Surgical and medical instruments.....
3861	Photographic equipment.....
3953	Marking devices.....
	High Growth (HG)
2034	Dehydrated food products.....
2045	Blended and prepared flour.....
2269	Finishing plants, n.e.c.....
2282	Throwing and winding mills.....
2299	Textile goods, n.e.c.....
2339	Women's and misses' outerwear.....
2385	Waterproof outer garments.....
2394	Canvas products.....
2396	Automotive and apparel trimming.....
2399	Fabricated textile products, n.e.c.....
2521	Wood office furniture.....
2522	Metal office furniture.....
2542	Metal partitions and fixtures.....
2645	Die-cut paper and board.....
2655	Fiber cans, drums, etc.....
2731	Book publishing.....
2732	Book printing.....
2741	Miscellaneous publishing.....
2761	Manifold business forms.....
2789	Bookbinding.....
2791	Typesetting.....
2821	Plastic materials and resins.....
2831	Biological products.....
2844	Toilet preparations.....
2879	Agricultural chemicals, n.e.c.....
2951	Paving mixtures and blocks.....
3021	Rubber footwear.....
3264	Porcelain electrical supplies.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1967 ²	0.0	VHG	L	L	M	M
1967	0.0	VHG	VH	M	M	M
1967 ³	0.0	VHG	VH	M	M	M
1967	0.0	VHG	H	H	L	L
1966 ²	-2.3	VHG	M	M	L	M
1967 ²	0.0	HG	H	L	H	M
1964 ²	-1.3	MG	L	M	M	L
1967 ³	0.0	HG	H	L	H	M
1967 ³	0.0	VHG	VH	VL	VH	M
1966 ³	-11.5	MG	L	L	M	M
1966 ³	-12.6	MG	H	VL	H	H
1967 ²	0.0	HG	NA	VL	H	H
1967 ²	0.0	HG	L	L	H	M
1967	0.0	VHG	H	M	H	H
1966 ³	-5.6	HG	H	VL	H	M
1967	0.0	HG	H	L	M	H
1967	0.0	HG	MM	M	MM	MM
1966	-11.0	MG	M	M	M	M
1967	0.0	HG	L	M	M	M
1967	0.0	HG	M	M	H	H
1966 ²	-3.7	HG	M	M	VL	VL
1967	0.0	HG	HH	MM	M	H
1967	0.0	HG	HH	MM	VL	L
1967 ³	0.0	HG	HM	MM	M	M
1966 ²	-7.1	MG	M	M	VH	VH
1967 ²	0.0	MG	H	VH	M	VH
1966	-.3	MG	H	H	L	L
1967 ²	0.0	VHG	H	M	L	L
1967	0.0	VHG	H	LM	L	VL
1967 ³	0.0	VHG	VH	M	L	VL
1967 ²	0.0	HG	H	H	M	L
1965	-3.0	S	M	L	H	H
1967	0.0	HG	H	M	M	H

TABLE I: Growth and Labor Characteristic

SIC code	Industry (Recent growth trends)
3323	Steel foundries.....
3361	Aluminum castings.....
3369	Nonferrous castings, n.e.c.....
3449	Miscellaneous metal work.....
3451	Screw machine products.....
3479	Metal coating and allied services.....
3544	Special dies, tools, jigs.....
3545	Machine tool accessories.....
3548	Metalworking machinery, n.e.c.....
3555	Printing trades machinery.....
3559	Special industry machinery.....
3567	Industrial furnaces and ovens.....
3569	General industrial machinery.....
3585	Refrigeration machinery.....
3599	Miscellaneous machinery, nonelectrical.....
3623	Welding apparatus.....
3634	Electric housewares and fans.....
3661	Telephone, telegraph apparatus.....
3693	X-ray apparatus and tubes.....
3694	Engine electrical equipment.....
3699	Electrical equipment, n.e.c.....
3713	Truck and bus bodies.....
3715	Truck trailers.....
3751	Motorcycles, bicycles, and parts.....
3821	Mechanical measuring devices.....
3842	Surgical appliances and supplies.....
3843	Dental equipment and supplies.....
3872	Watchcases.....
3911	Jewelry, precious metal.....
3931	Musical instruments and parts.....
3941	Games and toys.....
Moderate Growth (MG)	
2015	Poultry dressing plants.....
2022	Cheese, natural and processed.....
2032	Canned specialties.....
2036	Fresh or frozen packaged fish.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1953		-10.0	HG	M	H	M
1967		0.0	HG	M	H	H
1967		0.0	HG	H	M	H
1967 ²		0.0	HG	M	M	M
1967		0.0	VHG	H	M	H
1967 ²		0.0	VHG	H	M	H
1966 ³		-5.6	HG	M	H	M
1967 ²		0.0	VHG	M	H	M
1967 ³		0.0	HG	M	M	M
1967		0.0	VHG	M	L	MM
1967 ²		0.0	VHG	H	H	ML
1967 ³		0.0	VHG	L	M	LL
1966 ³		-3.9	MG	L	M	LM
1967 ³		0.0	HG	VHG	H	MM
1967		0.0	VHG	H	M	H
1966 ²		-4.9	HG	H	H	L
1966 ³		-0.2	MG	L	L	MM
1967		0.0	HG	L	M	M
1966 ²		-2.5	HG	NA	M	VL
1967		0.0	HG	H	H	M
1966 ³		-18.1	MG	M	L	M
1966		-3.8	HG	M	M	M
1966		-18.5	HG	M	M	M
1967		0.0	VHG	M	M	M
1967 ³		0.0	HG	M	M	M
1967 ³		0.0	HG	M	M	L
1967 ²		0.0	MG	M	M	M
1966 ²		-9.8	MG	H	M	VH
1967		0.0	HG	NA	M	M
1966 ²		-.8	MG	H	M	H
1966		-11.6	HG	M	L	M
1967		0.0	MG	VH	VL	H
1954		-5.7	MG	M	L	M
1966 ³		-5.9	MG	M	M	L
1967 ²		0.0	MG	NA	VL	M

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
2044	Rice milling.....
2063	Beet sugar.....
2073	Chewing gum.....
2084	Wines and brandy.....
2086	Bottled and canned soft drinks.....
2096	Shortening and cooking oils.....
2098	Macaroni and spaghetti.....
2099	Food preparations, n.e.c.....
2221	Weaving mills, synthetics.....
2253	Knit outerwear mills.....
2281	Yarn mills, except wool.....
2328	Men's and boys' work clothing.....
2329	Men's and boys' clothing, n.e.c.....
2331	Women's and misses' blouses.....
2389	Apparel and accessories, n.e.c.....
2392	Housefurnishing, n.e.c.....
2432	Veneer and plywood.....
2433	Prefabricated wood structures.....
2491	Wood preserving.....
2499	Wood products, n.e.c.....
2511	Wood household furniture, except upholstered.....
2512	Wood household furniture, upholstered.....
2531	Public building furniture.....
2541	Wood partitions and fixtures.....
2599	Furniture and fixtures, n.e.c.....
2631	Paperboard mills.....
2641	Paper coating and glazing.....
2642	Envelopes.....
2643	Bags, except textile bags.....
2647	Sanitary paper products.....
2649	Converted paper products, n.e.c.....
2651	Folding paperboard boxes.....
2653	Corrugated and solid fiber boxes.....
2654	Sanitary food containers.....
2711	Newspapers.....
2721	Periodicals.....
2753	Engraving and plate printing.....
2771	Greeting card publishing.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1962 ²	-4.5	MG	M	L	M	VL
1965	-6.5	S	M	M	H	M
1967 ²	0.0	MG	H	M	M	VL
1967 ²	0.0	MG	M	M	L	VL
1967 ²	0.0	MG	M	M	L	VL
1967	0.0	MG	M	L	VL	VL
1967	0.0	MG	L	H	M	L
1965 ²	-3.8	MG	M	L	M	L
1954 ²	-13.6	MG	H	L	M	L
1967 ³	0.0	MG	H	L	VH	H
1966	-4.2	MG	H	L	H	HH
1967 ³	0.0	MG	H	VL	VH	H
1967 ³	0.0	MG	H	VL	VH	H
1967 ³	0.0	HG	H	VL	VH	H
1966	-14.0	MG	NA	VL	VH	HH
1966 ²	-3.4	S	H	VL	M	HH
1967	0.0	S	NA	VL	H	H
1966	-5.3	MG	H	M	VH	VH
1966 ²	-3.0	S	L	M	L	M
1957	-26.1	MG	L	L	M	M
1967 ³	0.0	HG	M	L	H	H
1966	-1.9	MG	H	L	H	H
1966	-3.5	S	H	L	H	HH
1967	0.0	HG	M	L	M	MH
1967	0.0	HG	H	M	M	MH
1967 ²	0.0	S	VH	M	M	H
1967 ³	0.0	MG	M	H	M	M
1967 ²	0.0	HG	M	M	M	M
1967	0.0	MG	L	M	M	M
1966	-1.7	MG	M	M	M	M
1967	0.0	HG	H	M	M	M
1966	-9.6	MG	M	L	M	M
1966 ³	-9.2	S	L	M	M	MH
1967 ³	0.0	MG	H	M	M	MM
1967 ²	0.0	S	M	M	M	M
1967	0.0	S	M	H	VL	M
1967	0.0	MG	H	M	VL	VL
1965 ²	-25.0	S	M	M	M	H
1967	0.0	HG	H	L	L	L

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
2782	Blankbooks and looseleaf binders.....
2818	Industrial organic chemicals, n.e.c.....
2822	Synthetic rubber.....
2834	Pharmaceutical preparations.....
2842	Polishes and sanitation goods.....
2851	Paints and allied products.....
2871	Fertilizers.....
2872	Fertilizers, mixing only.....
2891	Adhesives and gelatin.....
2893	Printing ink.....
2899	Chemical preparations, n.e.c.....
3069	Fabricated rubber products, n.e.c.....
3142	House slippers.....
3161	Luggage.....
3199	Leather goods, n.e.c.....
3221	Glass containers.....
3229	Pressed and blown glass, n.e.c.....
3272	Concrete products, n.e.c.....
3273	Ready-mix concrete.....
3291	Abrasive products.....
3293	Gaskets and insulations.....
3296	Mineral wool.....
3297	Nonclay refractories.....
3299	Nonmetallic minerals, n.e.c.....
3315	Steel wire and related products.....
3321	Gray iron foundries.....
3322	Malleable iron foundries.....
3334	Primary aluminum.....
3352	Aluminum rolling and drawing.....
3356	Nonferrous rolling and drawing.....
3357	Nonferrous wiredrawing.....
3362	Brass, bronze, copper castings.....
3411	Metal cans.....
3421	Cutlery.....
3423	Hand and edge tools, n.e.c.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1967 ²	0.0	MG	H	L	M	M
1966 ²	-.6	HG	M	VH	L	VL
1966	-4.5	HG	H	VH	L	L
1967 ²	0.0	MG	M	M	VL	VL
1966 ³	-6.7	HG	M	M	L	VL
1966 ³	-1.6	S	M	M	L	L
1953	-5.5	HG	H	M	M	L
1966	-7.6	MG	L	L	L	L
1967 ²	0.0	MG	M	M	L	L
1966	-4.0	S	MM	M	LL	L
1967 ³	0.0	MG	M	M	L	L
1953	-2.3	MG	M	M	M	M
1966 ²	-8.8	S	M	VL	H	H
1967	0.0	MG	H	L	HH	MH
1966 ²	-3.2	S	H	VL	H	H
1967	0.0	S	M	M	H	H
1957	-8.2	HG	H	M	H	M
1966 ³	-6.1	MG	M	M	M	M
1965 ³	-2.2	MG	M	M	L	M
1966	22.1	S	M	H	L	M
1967	0.0	HG	L	M	MM	MM
1966	-6.2	MG	L	H	MM	MM
1953	-17.5	S	M	H	MM	MM
1959	-26.4	MG	L	M	MM	M
1967 ²	0.0	MG	NA	M	M	M
1955	-4.2	MG	H	M	H	VH
1953	-10.6	HG	M	H	M	H
1967	0.0	HG	M	VH	M	L
1966	-3.0	MG	H	H	M	M
1967	0.0	MG	H	H	L	MM
1967 ³	0.0	VHG	H	M	MM	MM
1953	-11.0	HG	M	M	MM	M
1967	0.0	MG	M	H	M	M
1953	-24.9	HG	M	M	M	L
1966 ²	-5.5	MG	H	M	M	M

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
3425	Handsaws and saw blades.....
3429	Hardware, n.e.c.....
3441	Fabricated structural steel.....
3443	Platework (boiler shops).....
3444	Sheet metalwork.....
3452	Bolts, nuts, rivets, and washers.....
3471	Plating and polishing.....
3491	Metal barrels, drums, pails.....
3494	Valves and pipe fittings.....
3496	Collapsible tubes.....
3498	Fabricated pipe and fittings.....
3519	Internal combustion engines.....
3522	Farm machinery.....
3531	Construction machinery.....
3532	Mining machinery.....
3535	Conveyors and conveying equipment.....
3542	Machine tools, metal-forming.....
3551	Food products machinery.....
3552	Textile machinery.....
3553	Woodworking machinery.....
3554	Paper industries machinery.....
3561	Pumps and compressors.....
3562	Ball and roller bearings.....
3564	Blowers and fans.....
3565	Industrial patterns.....
3566	Power transmission equipment.....
3572	Typewriters.....
3576	Scales and balances.....
3579	Office machines, n.e.c.....
3581	Automatic merchandising machines.....
3582	Commercial laundry equipment.....
3586	Measuring and dispensing pumps.....
3611	Electric measuring instruments.....
3612	Transformers.....
3613	Switchgear and switchboards.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)	(2)	(3)	(4)	(5)	(6)	
1953	-18.2	MG	H	M	M	M
1966	-1.9	MG	M	M	M	M
1967 ³	0.0	S	M	M	M	M
1967	0.0	MG	M	M	M	MM
1966	-5.3	MG	M	M	M	M
1967	0.0	MG	M	M	M	M
1967	0.0	HG	H	M	H	M
1966	-2.5	S	M	M	M	M
1967	0.0	MG	M	M	M	MM
1966	-4.4	S	M	L	VH	M
1967	0.0		M	M	M	M
1966 ³	-0.6	MG	M	H	M	M
1966 ³	-0.7	MG	L	H	M	M
1967 ³	0.0	MG	H	H	M	M
1967 ³	0.0	MG	M	M	L	M
1967 ³	0.0	HG	M	M	L	M
1967 ³	0.0	VHG	M	H	M	M
1966	-7.9	MG	L	H	L	M
1966	-7.0	MG	L	M	M	HM
1966	-22.1	MG	VL	M	L	MM
1967	0.0	HG	M	H	L	M
1966	-0.5	HG	M	M	L	M
1966	-4.2	HG	M	H	M	M
1967	0.0	HG	M	M	M	M
1966 ³	-10.7	HG	VH	VH	H	VH
1966 ³	-1.1	HG	M	H	M	M
1967	0.0	VHG	M	M	M	M
1966	-3.0	MG	M	M	L	ML
1967 ³	0.0	MG	L	M	L	L
1962 ²	-25.4	HG	VL	M	M	M
1966	-3.8	S	VL	M	M	M
1966	-21.0	S	L	M	L	M
1967	0.0	MG	H	M	L	M
1957	-5.2	MG	M	M	M	M
1967 ³	0.0	MG	M	M	M	M

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
3621	Motors and generators.....
3624	Carbon and graphite products.....
3632	Household refrigerators.....
3641	Electric lamps.....
3642	Lighting fixtures.....
3691	Storage batteries.....
3692	Primary batteries, dry and wet.....
3711	Motor vehicles, including 3712.....
3714	Motor vehicles, parts and accessories.....
3722	Aircraft engines and parts.....
3731	Shipbuilding and repairing.....
3732	Boatbuilding and repairing.....
3741	Locomotives and parts.....
3822	Automatic temperature controls.....
3851	Ophthalmic goods.....
3871	Watches and clocks.....
3912	Jewelers' findings and materials.....
3949	Sporting and athletic goods, n.e.c.....
3952	Lead pencils and art goods.....
3964	Needles, pins, and fasteners.....
3993	Signs and advertising displays.....
3999	Manufactures, n.e.c.....
2013	Sausages and other prepared meats.....
2035	Pickles, sauces, and salad dressings.....
2043	Cereal preparations.....
2046	Wet corn milling.....
2061	Raw cane sugar.....
2071	Confectionery products.....
2087	Flavoring extracts, n.e.c.....
2111	Cigarettes.....
2141	Tobacco stemming and redrying.....
2254	Knit underwear mills.....
2284	Thread mills.....
2291	Felt goods, n.e.c.....
2293	Paddings and upholstery filling.....
2298	Cordage and twine.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1953	-18.4	MG		M	M	M
1967 ²	0.0	MG		M	M	M
1966 ³	-1.7	MG		H	M	M
1967	0.0	MG		VH	M	M
1966	-0.2	HG		H	M	M
1966	-0.5	MG		L	M	M
1953	-10.6	VHG		H	L	L
1966	-7.4	HG		VL	VH	M
1966	-6.7	HG		H	H	MM
1967	0.0	MG		H	H	M
1967	0.0	S		M	H	VH
1966	-1.0	MG		L	L	H
1953	-44.1	HG		L	VH	M
1965 ³	-4.0	S		L	M	M
1967	0.0	HG		M	M	MM
1967	0.0	HG		M	L	M
1956 ²	-9.8	HG		NA	L	M
1967	0.0	S		H	L	MM
1966	-4.8	MG		L	L	MM
1953	-27.5	MG		M	L	MM
1966	-1.0	MG		HH	M	MM
1967 ³	0.0	MG		H	L	M
1967	0.0	MG		H	M	M
1953	-14.7	MG		VL	L	L
1967	0.0	MG		H	M	M
1967	0.0	S		M	H	L
1964 ²	-7.1	MG		L	L	MM
1956	-1.5	MG		H	L	MM
1953	-14.2	HG		M	M	VL
1959	-.5	S		M	VH	VL
1954 ²	-15.4	S		L	H	M
1953	-24.6	S		M	VL	H
1953	-23.0	SS		L	L	M
1955 ²	-26.2	S		L	L	M
1954 ²	-28.6	S		L	L	M
1953	-26.6	S		L	M	M

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
2311	Men's and boys' suits and coats.....
2321	Men's and boys' shirts and nightwear.....
2322	Men's and boys' underwear.....
2335	Women's and misses' dresses.....
2337	Women's and misses' suits and coats.....
2341	Women's and children's underwear.....
2369	Children's outerwear, n.e.c.....
2384	Robes and dressing gowns.....
2386	Leather and sheep lined clothing.....
2426	Hardwood dimension and flooring.....
2429	Special product sawmills, n.e.c.....
2431	Millwork.....
2515	Mattresses and bedsprings.....
2611	Pulpmills.....
2621	Papermills, except building.....
2815	Cyclic intermediate and crudes.....
2816	Inorganic pigments.....
2892	Explosives.....
3011	Tires and inner tubes.....
3151	Leather gloves and mittens.....
3171	Women's handbags and purses.....
3211	Flat glass.....
3231	Products of purchased glass.....
3295	Minerals, ground or treated.....
3312	Blast furnaces and steel mills.....
3317	Steel pipe and tubes.....
3341	Secondary nonferrous metals.....
3391	Iron and steel forgings.....
3442	Metal doors, sash, and trim.....
3461	Metal stampings, including automotive.....
3481	Miscellaneous fabricated wire products.....
3492	Safes and vaults.....
3493	Steel springs.....
3533	Oilfield machinery.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1967	0.0	S	NA	L	H	H
1967	0.0	S	H	VL	VH	H
1962 ²	-19.3	MG	NA	VL	VH	H
1967	0.0	S	NA	L	H	H
1957 ²	-16.9	S	NA	L	H	M
1957 ²	-5.6	S	M	VL	H	H
1957	-17.5	S	NA	VL	VH	H
1962 ²	-14.4	S	H	VL	H	H
1954 ²	-5.6	S	NA	L	H	H
1965 ³	-8.2	S	M	VL	VH	VH
1954 ²	-2.7	S	VL	L	VH	VH
1955	-12.2	S	H	M	M	H
1956	-9.3	S	L	L	M	M
1966 ³	-5.0	MG	M	VH	M	M
1967 ³	0.0	S	M	H	M	M
1957 ²	-17.8	MG	M	H	L	L
1957	-5.3	S	M	H	M	L
1967 ²	0.0	VHG	H	H	M	H
1955	-6.1	S	M	VH	M	M
1963 ²	-18.2	S	L	VL	H	H
1964	-2.8	S	H	VL	VH	H
1959	-12.5	S	M	VH	M	M
1966	-1.4	S	M	M	M	M
1953	-11.0	D	H	M	M	M
1956 ²	17.3	S	M	VH	M	M
1967	0.0	S	L	H	M	M
1956	-4.4	MG	L	M	M	M
1953	-26.3	MG	M	VH	M	H
1967	0.0	S	L	L	M	M
1966	-0.1	S	VH	H	M	H
1953	-8.6	S	L	M	M	M
1967 ²	0.0	MG	H	H	L	L
1955	-21.4	MG	H	M	M	H
1956	-23.8	S	M	M	L	M

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
3629	Electrical industrial goods, n.e.c.....
3631	Household cooking equipment.....
3633	Household laundry equipment.....
3643	Current-carrying wiring devices.....
3644	Noncurrent-carrying devices.....
3721	Aircraft.....
3914	Silverware and plated ware.....
3951	Pens and mechanical pencils.....
3955	Carbon paper and inked ribbons.....
3991	Brooms and brushes.....
Declining (D)	
2011	Meatpacking plants.....
2021	Creamery butter.....
2023	Condensed and evaporated milk.....
2024	Ice cream and frozen desserts.....
2026	Fluid milk.....
2031	Canned and cured seafoods.....
2033	Canned fruits and vegetables.....
2041	Flour and grain mill products.....
2042	Prepared animal feeds.....
2051	Bread and related products.....
2052	Cookies and crackers.....
2062	Cane sugar refining.....
2072	Chocolate and cocoa products.....
2082	Malt liquors.....
2083	Malt.....
2085	Distilled liquor, except brandy.....
2091	Cottonseed oil mills.....
2092	Soybean oil mills.....
2093	Vegetable oil mills, n.e.c.....
2094	Animal and marine fats and oils.....
2095	Roasted coffee.....
2097	Manufactured ice.....
2121	Cigars.....
2131	Chewing and smoking tobacco.....
2211	Weaving mills, cotton.....
2231	Weaving, finishing mills, wool.....
2241	Narrow fabric mills.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1957	-20.8	S	VH	M	M	M
1965 ³	-1.9	S	M	M	M	M
1953	-19.0	D	M	H	M	M
1960 ³	-4.3	MG	H	M	M	M
1966 ³	-5.8	S	M	M	M	M
1957	-30.4	S	VH	H	L	M
1953	-17.7	MG	M	M	H	M
1966 ²	-4.1	S	L	L	M	M
1967 ²	0.0	S	M	M	L	M
1959	-1.7	S	M	L	M	M
1956	-23.6	D	L	H	M	H
1954 ²	-58.6	D	VL	L	M	HM
1960 ²	-5.0	MG	M	M	M	L
1954 ²	-32.6	D	L	M	L	L
1958 ²	-22.1	D	L	M	VL	L
1963 ²	-8.7	S	L	L	H	M
1957	-25.6	S	M	L	H	M
1953	-34.3	D	L	M	M	L
1954	-11.0	S	M	L	L	L
1957	-15.6	S	L	M	L	M
1953	-10.0	S	L	M	M	L
1954	-28.4	MG	L	H	M	L
1953	-17.6	S	H	M	M	L
1953	-29.7	S	M	VH	L	L
1960 ²	-25.9	D	L	VH	M	M
1956	-11.4	S	L	H	M	VL
1953	-62.5	D	VL	VL	M	M
1959	-1.2	S	M	M	L	L
1954 ²	-54.1	D	L	M	M	L
1958	-6.2	S	VL	M	L	M
1958 ²	-13.8	S	M	H	L	VL
1954 ²	-62.2	D	VL	L	L	M
1953	-53.2	D	M	VL	VH	M
1954	-52.0	D	M	L	M	L
1954 ²	-31.5	S	L	L	VH	VH
1954 ²	-37.3	D	L	L	H	H
1953	-9.7	S	M	L	H	H

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
2251	Women's hosiery, except socks.....
2252	Hosiery, n.e.c.....
2259	Knitting mills, n.e.c.....
2261	Finishing plants, cotton.....
2271	Woven carpets and rugs.....
2279	Carpets and rugs, n.e.c.....
2283	Wool yarn mills.....
2292	Lace goods.....
2294	Processed textile waste.....
2296	Tire cord and fabric.....
2297	Scouring and combing plants.....
2323	Men's and boys' neckwear.....
2342	Corsets and allied garments.....
2351	Millinery.....
2352	Hats and caps, except millinery.....
2361	Children's dresses and blouses.....
2363	Children's coats and suits.....
2371	Fur goods.....
2381	Fabric dress and work gloves.....
2387	Apparel belts.....
2393	Textile bags.....
2395	Pleating and stitching.....
2397	Schiffli machine embroideries.....
2411	Logging camps and contractors.....
2421	Sawmills and planing mills.....
2441	Nailed wooden boxes and shook.....
2442	Wirebound boxes and crates.....
2443	Veneer and plywood containers.....
2445	Cooperage.....
2514	Metal household furniture.....
2591	Venetian blinds and shades.....
2644	Wallpaper.....
2652	Setup paperboard boxes.....
2661	Building paper and board mills.....
2751	Printing, except lithographic.....
2793	Photoengraving.....
2794	Electrotyping and stereotyping.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1953	-18.9	S	L	VL	VH	H
1953	-35.1	D	L	VL	VH	H
1966 ²	-18.9	S	VL	L	VH	H
1958 ³	-27.4	D	L	L	M	H
1959 ³	-55.8	D	VL	L	H	M
1958 ³	-22.5	MG	VH	L	HH	MLH
1962 ³	-21.0	D	VL	L	H	LH
1955 ²	-39.0	D	M	L	H	VH
1955 ²	-33.8	D	VL	VL	HH	H
1959 ³	-22.3	S	M	L	VH	H
1959 ²	-30.6	D	L	L	H	VH
1957 ²	-23.5	S	NA	L	M	M
1956	-13.6	S	NA	VL	HH	M
1957	-63.9	D	NA	L	HH	MH
1959 ²	-30.2	D	VL	VL	H	MH
1965	-7.1	S	NA	VL	H	H
1954 ²	-24.3	D	H	VL	HH	HH
1954 ²	-15.0	D	NA	H	HH	HH
1961 ²	-13.0	S	H	VL	VH	H
1955 ²	-35.6	D	VL	VL	M	M
1954	-24.8	MG	H	VL	H	M
1964	-25.4	MG	NA	L	VH	VH
1965 ²	-11.5	S	VL	L	VH	H
1956	-21.6	MG	M	L	VH	H
1953	-52.4	S	L	L	VH	H
1959 ³	-18.5	S	H	L	VH	H
1966 ³	-14.5	S	L	VL	VH	H
1956 ²	-54.2	D	M	VL	VH	VH
1953	-44.9	S	M	M	H	H
1957	-13.9	S	M	L	M	M
1956 ²	-23.2	S	L	L	M	M
1954 ²	-36.1	D	VL	M	M	M
1958 ³	-10.2	D	VL	L	H	H
1959 ³	-33.1	D	M	M	H	M
1957	-19.7	D	M	M	M	H
1957	-31.6	D	VH	VH	MM	H
1957	-56.1	D	VL	VH	M	H

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
2812	Alkalies and chlorine.....
2813	Industrial gases.....
2819	Industrial inorganic chemicals, n.e.c.....
2823	Cellulosic manmade fibers.....
2833	Medicinals and botanicals.....
2841	Soap and other detergents.....
2861	Gum and wood chemicals.....
2895	Carbon black.....
2911	Petroleum refining.....
2952	Asphalt felts and coatings.....
2992	Lubricating oils and greases.....
2999	Petroleum and coal products, n.e.c.....
3031	Reclaimed rubber.....
3111	Leather tanning and finishing.....
3121	Industrial leather belting.....
3131	Footwear cut stock.....
3141	Shoes, except rubber.....
3172	Personal leather goods.....
3241	Cement, hydraulic.....
3251	Brick and structural clay tile.....
3253	Ceramic wall and floor tile.....
3255	Clay refractories.....
3259	Structural clay products, n.e.c.....
3261	Vitreous plumbing fixtures.....
3262	Vitreous china food utensils.....
3263	Fine earthenware food utensils.....
3269	Pottery products, n.e.c.....
3271	Concrete block and brick.....
3274	Lime.....
3275	Gypsum products.....
3281	Cut stone and stone products.....
3292	Asbestos products.....
3313	Electrometallurgical products.....
3331	Primary copper.....
3332	Primary lead.....

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline					
(1)		(2)	(3)	(4)	(5)	(6)
1953	-12.7	S	L	H	L	L
1953	-8.8	HG	H	H	VL	VL
1954 ²	-45.9	S	M	H	L	L
1958 ³	-25.1	S	M	M	M	M
1953	-48.5	S	M	H	L	L
1963 ³	-1.6	S	L	H	L	VL
1953	-31.4	D	L	M	M	L
1953	-22.2	S	M	H	M	L
1953	-33.1	HG	L	VH	M	VL
1953	-17.7	S	VL	M	M	M
1964 ²	-15.1	MG	VL	M	VL	VL
1960 ²	-64.5	D	VL	M	M	L
1956	-48.5	D	L	H	M	M
1953	-33.8	D	L	M	H	H
1960	-59.7	D	VL	M	M	MH
1957	-39.1	D	NA	L	H	H
1953	-14.6	S	M	L	VH	H
1966 ²	-18.6	S	H	VL	M	M
1957	-21.6	D	L	H	M	L
1956	-22.1	D	M	L	H	H
1959	-26.4	D	L	L	M	MH
1956	-29.2	S	L	M	M	MH
1954 ²	-34.0	D	L	M	M	MH
1956 ²	-26.3	D	VL	H	M	H
1954 ²	-19.5	S	M	L	H	H
1953	-59.6	D	VL	L	VH	VH
1959 ²	-24.0	D	L	L	H	H
1965 ³	-14.6	S	L	M	L	M
1956	-18.1	S	M	M	H	M
1956	-19.4	D	L	M	M	L
1955 ²	-25.6	D	L	M	H	H
1955	-10.1	S	M	M	M	M
1956	-35.4	D	L	H	M	M
1960	-28.0	S	M	H	M	L
1953	-42.6	S	VH	M	M	M

TABLE I: Growth and Labor Characteristics

SIC code	Industry (Recent growth trends)
3333	Primary zinc.....
3351	Copper rolling and drawing.....
3431	Metal sanitary ware.....
3432	Plumbing fittings, brass goods.....
3433	Heating equipment, nonelectric.....
3446	Architectural metalwork.....
3511	Steam engines and turbines.....
3636	Sewing machines.....
3639	Household appliances, n.e.c.....
3671	Electron tubes, receiving type.....
3673	Electron tubes, transmitting.....
3729	Aircraft equipment, n.e.c.....
3811	Scientific instruments.....
3913	Lapidary work.....
3942	Dolls.....
3943	Children's vehicles.....
3961	Costume jewelry.....
3962	Artificial flowers.....
3963	Buttons.....
3994	Morticians' goods.....
3996	Hard-surface floor coverings.....

NA—not available

n.e.c.—not elsewhere classified

1—1953 is earliest covered year

2—1954 is earliest covered year

3—1958 is earliest covered year

of Selected Manufacturing Industries cont.

1967 Employment relative to peak year ¹		Longterm growth trend	Capital formation	Average wage rate	Percent blue collar	Labor intensity
Peak year	Percent decline	(2)	(3)	(4)	(5)	(6)
(1)		(2)	(3)	(4)	(5)	(6)
1953	-29.0	MG	M	M	M	M
1956 ²	-11.4	S	M	H	M	M
1953	-47.1	D	L	H	M	M
1953	-11.0	S	L	M	M	M
1959 ³	-13.1	D	L	M	M	M
1958 ²	-8.1	D	H	M	M	M
1958 ³	-20.1	D	M	VH	L	M
1953	-60.0	S	L	H	M	M
1958 ³	-8.2	S	L	M	M	M
1959 ³	-43.9	D	VL	M	H	M
1962 ³	-27.2	S	L	M	L	M
1958 ³	-4.0	S	L	H	L	M
1960	-16.8	D	VH	M	L	M
1961 ²	-9.5	HG	NA	M	H	L
1957	-42.5	D	L	VL	VH	H
1955 ²	-44.8	D	L	L	H	M
1955 ²	-23.8	S	H	L	H	M
1954 ²	-28.8	D	H	VL	H	M
1956 ²	-44.2	D	VL	L	H	M
1953	-9.0	D	M	L	M	M
1953	--4.2	S	M	H	M	L

TABLE II

Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes

DESCRIPTION OF CONTENTS

The information in Table II augments that in Table I, presenting growth and value of shipments data for the 411 industries (four-digit SIC code) and for 1,110 product classes (five-digit SIC code) for the 1964/65-1967/68 period. The inclusion of product classes provides growth categorization at a finer level of industrial detail than exists in Table I.

Industries that appear to have merit based on information in Table I should be checked against Table II to determine that part of the industry (if there is more than one part) having the greatest growth potential, and to determine the industry's or product class's relative size based on value of shipments. An extremely small industry or product class will have relatively little area development potential despite its rising trend. Conversely, a large industry that is declining may likewise offer very little developmental aid.

The listing of Table II industries by order of Standard Industrial Classification (SIC) also affords the user the means conveniently to cross-check on a particular industry for reference to the labor information shown in Table I, through use of the growth-category symbol.

Criteria used and key to symbols

The 411 industries (four-digit SIC code) and 1,110 product classes (five-digit SIC code) are listed in their Standard Industrial Classification code order. The volume of shipments is stated for 1968.

Industry (four-digit) growth categories are identical with the growth categories in Table I.

Product class (five-digit) growth categories, however, are based on trends in value of shipments as follows:

VHG: Very High Growth, 1967-68 average annual value of shipments versus 1964-65 equals 150 percent gain or better. Includes 118 product classes.

HG: High Growth, 1967-68 average annual value of shipments versus 1964-65 equals 40-150 percent gain. Includes 209 product classes.

MG: Moderate Growth, 1967-68 average annual value of shipments versus 1964-65 equals 10-40 percent gain. Includes 459 product classes.

S: Static, 1967-68 average annual value of shipments versus 1964-65 equals 4.9-percent decline to 10-percent gain. Includes 196 product classes.

D: Declining, 1967-68 average annual value of shipments versus 1964-65 equals 5 percent and greater decline. Includes 128 product classes.

Since industry (four-digit) growth trend rankings are based on employment data for the periods 1958-60 and 1966-67 whereas product class growth trends are based entirely on value of shipments (which is affected by price volatility) during a shorter and somewhat different time period, there are apparent differences between the industry growth rank and the ranks of the industry's product class components. The employment concept used for the industries is considered the more reliable growth indicator, but employment data are not available for product classes on a historical basis.

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2011-	Meatpacking plants.....	15,304.6	D
20111	Beef, not canned nor sausage.....	8,079.9	MG
20112	Veal, not canned nor sausage.....	294.4	S
20113	Lamb and mutton, not canned nor sausage.....	310.9	S
20114	Pork, fresh and frozen.....	2,865.8	MG
20115	Lard.....	152.5	D
20116	Pork, processed (not canned nor sausage), made in meatpacking plants.....	1,332.2	S
20117	Sausage and similar products (not canned) made in meatpacking plants.....	1,067.3	MG
20118	Canned meats (except pet food) containing 20 percent or more meat, made in meatpacking plants.....	539.5	S
20119	Hides, skins, and pelts.....	267.2	MG
20110	Miscellaneous meatpacking by-products.....	394.9	HG
2013-	Sausages and other prepared meats.....	2,757.5	S
20136	Pork, processed or cured (not canned nor sausage), not made in meatpacking plants.....	750.9	HG
20137	Sausage and similar products (not canned) not made in meatpacking plants.....	1,380.4	MG
20138	Canned meats (exc. pet food) containing 20 percent or more meat, not made in meatpacking plants.....	385.7	MG
20139	Natural sausage casings.....	86.0	D
20130	Meat processing plant products, n.s.k.....	154.5	HG
2015-	Poultry dressing plants.....	2,935.1	MG
20151	Hens (or fowl) and chickens.....	2,005.6	MG
20153	Turkeys.....	510.4	MG
20154	Processed poultry, except soups...	139.4	VHG
20155	Other poultry and small game.....	19.6	S
20156	Liquid, dried, and frozen eggs.....	170.6	S
20150	Poultry plant products, n.s.k.....	89.5	HG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2021-	Creamery butter.....	824.7	D
2022-	Cheese, natural and processed, including 20220, n.s.k.....	1,620.1	MG
20221	Natural, except cottage cheese....	942.0	MG
20222	Process cheese and related products.....	571.2	MG
2023-	Condensed and evaporated milk.....	1,439.0	D
20231	Dry milk products.....	708.2	MG
20232	Canned milk products (consumer).....	413.5	MG
20233	Condensed milk (shipped in bulk).....	81.0	S
20234	Ice cream mix and ice milk mix....	219.7	MG
20230	Condensed and evaporated milk, n.s.k.....	17.5	VHG
2024-	Ice cream and frozen desserts.....	1,327.4	D
2026-	Fluid milk.....	6,821.4	D
20261	Bulk fluid milk and cream.....	1,029.9	S
20262	Packaged fluid milk and related products.....	4,784.6	S
20263	Cottage cheese.....	249.3	MG
20264	Buttermilk and flavored milk.....	314.0	MG
20260	Fluid milk and related products, n.s.k.....	443.6	HG
2031-	Canned and cured seafoods.....	471.0	D
2032-	Canned specialties	1,321.9	MG
20321	Canned baby foods (except meat) ..	264.6	S
20322	Soups and other canned specialties including code 20234 and 20320.....	785.6	MG
20323	Canned dry beans.....	271.7	MG
2033 -	Canned fruits and vegetables.....	3,416.5	D
20331	Canned fruits, except baby food..	903.1	S
20332	Canned vegetables, except hominy and mushrooms.....	973.5	MG
20333	Canned hominy and mushrooms..	59.4	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
20334	Canned fruit juices.....	455.5	S
20335	Canned vegetable juices.....	108.2	S
20336	Catsup and other tomato sauces..	584.1	HG
20338	Jams, jellies, and preserves.....	251.1	S
20330	Canned fruits and vegetables, n.s.k.....	81.6	HG
2034-	Dehydrated food products.....	479.3	HG
20341	Dried fruits and vegetables, except soups.....	381.6	MG
20342	Soup mixes, dried.....	75.3	HG
20340	Dried fruits, vegetables and soup, n.s.k.....	22.4	VHG
2035-	Pickles, sauces, and salad dressings	857.1	S
20352	Pickles and pickled products.....	296.2	MG
20353	Meat sauces, except tomato	121.1	S
20354	Mayonnaise, salad dressings, and sandwich spreads.....	390.3	MG
20350	Pickles, sauces, and salad dressings, n.s.k.....	49.5	VHG
2036-	Fresh or frozen packaged fish.....	588.6	MG
20361	Frozen packaged fish and other seafood, including soup.....	466.5	MG
20362	Fresh packaged fish and other seafood.....	67.4	D
20360	Fresh or frozen packaged fish, n.s.k.....	54.7	VHG
2037-	Frozen fruits and vegetables.....	2,176.7	VHG
20371	Frozen fruits, juices, and ades.....	454.4	S
20372	Frozen vegetables.....	607.0	MG
20373	Frozen specialties.....	1,031.4	MG
20370	Frozen fruits and vegetables, n.s.k.....	83.9	VHG
2041-	Flour and grain mill products.....	2,252.1	D
20411	Wheat flour, except flour mixes....	1,529.8	S
20412	Wheat mill products, except flour..	187.2	S
20413	Corn mill products.....	239.3	VHG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
20415	Flour mixes and refrigerated doughs, made in flour mills.....	164.2	MG
20416	Other grain mill products.....	64.9	D
20410	Flour and grain mill products n.s.k.....	66.7	VHG
2042-	Prepared animal feeds.....	4,509.2	D
20421	Poultry feeds, including supplements.....	1,474.3	S
20422	Livestock feed, including supplements.....	1,744.9	MG
20423	Dog and cat food.....	813.9	HG
20424	Other prepared animal feeds.....	257.7	D
20420	Prepared animal feeds, n.s.k.....	218.4	VHG
2043-	Cereal preparations.....	752.0	S
2044-	Rice milling.....	563.5	MG
2045-	Blended and prepared flour and mixes.....	504.1	HG
2046-	Wet corn milling.....	684.1	S
2051-	Bread and related products.....	4,438.6	D
20511	Bread and bread-type rolls.....	2,872.4	MG
20512	Sweet yeast goods.....	392.9	S
20513	Soft cakes.....	504.2	S
20514	Pies.....	244.3	S
20515	Pastries.....	63.0	D
20517	Doughnuts (cake type).....	184.5	MG
20510	Bread and related products, n.s.k.....	177.3	MG
2052-	Cookies and crackers.....	1,415.2	D
20521	Crackers and pretzels.....	524.4	MG
20522	Cookies and ice cream cones.....	880.4	MG
20520	Crackers and cookies, n.s.k.....	10.4	HG
2061-	Raw cane sugar.....	375.9	S
2062-	Cane sugar refining.....	1,411.8	D
2063-	Beet sugar.....	613.2	MG
2071-	Confectionery products.....	1,902.3	S

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
20711	Bar goods, except solid chocolate.	369.8	MG
20712	5- and 10-cent specialties.....	220.4	MG
20713	Package goods, except solid chocolate.....	593.4	S
20714	Bulk goods, except solid chocolate.	146.9	S
20715	Penny goods.....	60.6	D
20716	Salted nuts and other confectionery-type products.....	434.0	MG
20710	Confectionery products, n.s.k.....	77.2	VHG
2072-	Chocolate and cocoa products.....	589.2	D
20721	Chocolate coatings.....	146.7	S
20722	Confectionery-type chocolate and cocoa products, made from cocoa beans ground in same establishment.....	211.3	MG
20728	Other chocolate and cocoa product, made from cocoa beans and nibs ground in same establishment, including code 20720..	230.2	MG
2073-	Chewing gum.....	290.4	MG
2082-	Malt liquors.....	3,102.5	D
2083-	Malt.....	207.5	D
2084-	Wines and brandy.....	458.1	MG
2085-	Distilled liquor, except brandy.....	1,332.4	D
20851	Distilled liquors, except brandy....	186.6	MG
20853	Bottled liquors, except brandy.....	1,145.8	MG
2086-	Bottled and canned soft drinks.....	3,309.7	MG
2087-	Flavoring extracts, n.e.c.....	1,107.3	S
20871	Flavoring extracts, emulsions, and other liquid flavors.....	90.4	D
20872	Liquid beverage bases, not for use by soft drink bottlers.....	121.0	MG
20873	Flavoring sirups for use by soft drink bottlers.....	415.7	MG
20874	Other flavoring agents, except chocolate sirups.....	434.7	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
20870	Flavorings, n.s.k.....	45.5	VHG
2091-	Cottonseed oil mills.....	320.0	D
20911	Cottonseed oil, crude.....	100.0	D
20912	Cottonseed oil, once-refined	52.8	D
20913	Cotton linters.....	30.7	D
20914	Cottonseed cake and byproducts..	127.3	D
20910	Cottonseed oil mill products, n.s.k.	9.2	HG
2092-	Soybean oil mills.....	1,561.9	D
20921	Soybean oil.....	480.5	S
20922	Soybean cake and byproducts.....	1,077.8	MG
20920	Soybean oil mill products, n.s.k....	3.6	MG
2093-	Vegetable oil mills, n.e.c.....	230.5	D
20931	Linseed oil.....	48.5	D
20932	Vegetable oils, except cottonseed, soybean, and linseed.....	137.6	MG
20933	Other vegetable oil mill products, except cottonseed and soybean ..	43.4	D
20930	Vegetable oil mill products, n.s.k....	1.0	D
2094-	Animal and marine fats and oils.....	670.3	D
20941	Grease and inedible tallow.....	297.4	D
20942	Meat meal and tankage.....	252.8	S
20943	Animal and marine oil mill products, including foots.....	93.6	D
20940	Animal and marine fats and oil, n.s.k.....	26.5	MG
2095-	Roasted coffee.....	1,804.3	D
20951	Roasted coffee, whole or ground..	1,382.0	S
20952	Concentrated coffee.....	422.3	S
2096-	Shortening and cooking oils.....	1,691.1	MG
20961	Shortening and cooking oils.....	1,233.5	MG
20962	Margarine.....	457.6	MG
2097-	Manufactured ice.....	70.7	D

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2098-	Macaroni and spaghetti.....	272.0	MG
2099-	Food preparations, n.e.c.....	2,648.2	MG
20991	Desserts (ready-to-mix).....	235.7	MG
20992	Chips (potato, corn, etc.).....	703.9	MG
20993	Sweetening sirups and molasses..	139.6	S
20994	Baking powder and yeast.....	88.3	S
20996	Vinegar and cider.....	60.7	S
20998	Chocolate and cocoa products, ex- cept confectionery (made from purchased chocolate).....	52.3	S
20999	Other food preparations, n.e.c....	1,186.5	MG
20990	Food preparations, n.e.c., n.s.k....	181.2	HG
2111-	Cigarettes.....	3,076.0	S
2121-	Cigars.....	393.2	D
2131-	Chewing and smoking tobacco.....	198.5	D
2141-	Tobacco stemming and redrying....	1,052.9	S
21411	Tobacco redrying.....	97.5	HG
21412	Tobacco stemming, including 21410.....	955.4	D
2211-	Weaving mills, cotton.....	2,843.3	D
	Gray goods:		
22111	Cotton duck and allied fabrics..	165.4	HG
22112	Cotton sheeting and allied fabrics.....	622.1	S
22113	Cotton print cloth yarn fabrics..	371.2	D
22114	Cotton colored yarn fabrics, toweling and dishcloth fabrics and napped cotton fabrics, in- cluding blanketeting.....		
		161.2	D
22115	Fine cotton goods.....	294.0	D
22116	Other broadwoven cotton fabrics and specialties.....	231.8	MG
22117	Finished cotton broadwoven fabric made in weaving mills.....	356.8	D
	Fabricated cotton textile products: Cotton sheets and pillowcases made in weaving mills.....	285.0	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
22119	Cotton towels and washcloths made in weaving mills.....	269.1	MG
22110	Other cotton broadwoven fabrics made in weaving mills, n.s.k....	86.7	S
2221-	Weaving mills, synthetics.....	2,927.5	MG
22211	Gray goods: 100 percent filament rayon and/or acetate fabric, including blends chiefly rayon and/or acetate.....	311.5	S
22212	100 percent filament fabrics, except rayon and/or acetate..	343.7	HG
22213	100 percent rayon and/or acetate fabrics, including blends..	281.6	HG
22214	100 percent spun polyester blends with cotton.....	682.8	HG
22215	All other 100 percent spun non-cellulosic fabrics.....	242.6	D
22216	Combinations of filament and spun yarn fabrics chiefly man-made fiber.....	228.4	MG
22217	Specialty manmade fiber fabrics.....	224.5	D
22218	Finished manmade fiber and silk broadwoven fabrics (made in weaving mills).....	510.8	HG
22219	Fabricated manmade fiber and silk textile products (made in weaving mills).....	76.2	D
22210	Manmade fiber and silk broadwoven fabrics, n.s.k.....	25.4	HG
2231-	Weaving, finishing mills, wool.....	882.0	D
22311	Finished wool yarn, not combined or spun at same establishment..	68.6	D
22312	Wool fabrics, gray goods.....	145.6	MG
22313	Finished wool apparel fabrics.....	521.3	D
22314	Finished wool nonapparel fabrics and felts.....	67.9	S
22315	Receipts for commission finishing of wool fabrics.....	42.8	S
22319	Wool and chiefly wool blankets....	7.4	D
22310	Woven wool fabrics, n.s.k.....	28.4	VHG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2241-	Narrow fabric mills.....	450.9	D
22411	Woven narrow fabrics.....	324.3	MG
22414	Braided narrow fabrics.....	80.1	MG
22415	Covered rubber thread.....	39.4	HG
22410	Narrow fabrics, n.s.k.....	7.1	HG
2251-	Women's hosiery, except socks except contract and commission receipts.....	937.0	D
22511	Women's finished full-fashioned stockings.....	40.3	S
22513	Women's finished seamless hose..	681.8	MG
22514	Women's full-fashioned hose shipped in the greige.....	9.9	D
22515	Women's seamless hose shipped in the greige.....	181.0	HG
22510	Women's hose, except socks, n.e.c., n.s.k.....	24.0	VHG
2252-	Hosiery, n.e.c.....	490.7	D
22522	Men's finished seamless hose....	254.3	S
22523	Other finished seamless hose....	147.3	D
22524	Seamless hose (except women's) shipped in the greige.....	72.4	MG
22520	Hosiery, n.e.c., n.s.k.....	16.7	VHG
2253-	Knit outerwear mills, except commission receipts.....	1,083.7	MG
22531	Sweaters, knit jackets, and jerseys (made from yarns or fabrics knit in same establishment).....	530.2	S
22532	Knit sport shirts (made from yarn or fabric knit in same establishment).....	254.3	MG
22533	All other knit outerwear products (made from yarn or fabric knit in same establishment).....	227.5	S
22530	Knit outerwear, n.s.k.....	71.7	HG
2254-	Knit underwear mills.....	431.1	S

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
22541	Men's and boys' knit underwear and nightwear (made from yarn or fabric knit in same establishment).....		
22542	Women's and children's knit underwear (made from yarn or fabric knit in same establishment).....	304.3	MG
22543	Women's and children's knit nightwear (made from yarn or fabric knit in same establishment)....	84.6	MG
22540	Knit underwear and nightwear, n.s.k.....	38.3	D
		3.9	VHG
2256-	Knit fabric mills (excluding commission receipts).....	1,409.1	VHG
22561	Warp-knit fabrics.....	598.8	HG
22562	Circular knit fabrics.....	755.4	HG
22560	Knit fabrics, n.s.k.....	54.9	VHG
2259-	Knitting mills, n.e.c.....	40.2	D
2261-	Finishing plants, cotton.....	689.9	D
22617	Cotton broadwoven fabric finishing (not finished in weaving mills).....		
22619	Commission finishing of cotton broadwoven fabrics.....	303.3	D
22610	Finishing receipts, n.s.k.....	386.6	S D
2262-	Finishing plants, synthetics and silk.....	596.3	VHG
22628	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills).....	152.6	HG
22629	Commission finishing of manmade fiber and silk broadwoven fabrics.....	438.1	MG
22620	Finishing manmade fiber and silk broadwoven fabrics, n.s.k.....	5.6	VHG
2269-	Finishing plants, n.e.c.....	221.8	HG
2271-	Woven carpets and rugs.....	235.7	D

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2272-	Tufted carpets and rugs.....	1,617.4	VHG
2279-	Carpets and rugs, n.e.c.....	104.4	D
2281-	Yarn mills, except wool.....	1,808.7	MG
22811	Carded cotton yarns.....	422.1	S
22812	Combed cotton yarns.....	340.9	D
22813	Rayon and/or acetate spun yarns.	247.8	MG
22814	Spun noncellulosic fiber and silk yarns.....	770.2	HG
22810	Yarn, except wool, n.s.k.....	27.7	VHG
2282-	Throwing and winding mills, includ- ing 22820.....	701.7	HG
22822	Rewound, plied, etc., yarns, ex- cept wool (not spun or thrown at same establishment).....	81.2	S
22823	Thrown filament yarns, except textured.....	87.5	HG
22824	Textured, crimped, or bulked fil- ament yarns.....	472.7	VHG
22829	Commission throwing, plying, etc. of yarns.....	47.8	HG
2283-	Wool yarn mills, including 22830....	342.2	D
22831	Wool yarns, excluding carpet, in- cluding yarns spun and finished at same establishment.....	246.3	D
22832	Wool yarns, carpet.....	90.9	D
2284-	Thread mills.....	271.8	S
22841	Finished thread for home use.....	33.5	MG
22842	Finished thread for industrial use..	186.1	MG
22843	Unfinished thread.....	49.8	HG
22840	Thread, n.s.k.....	2.4	D
2291-	Felt goods, n.e.c.....	132.8	S
2292-	Lace goods.....	64.5	D
2293-	Paddings and upholstery filling.....	198.0	S

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2294-	Processed textile waste.....	96.3	D
2295-	Coated fabrics, not rubberized.....	645.8	VHG
22951	Pyroxylin-coated fabrics.....	33.9	D
22952	Vinyl coated fabrics.....	392.8	MG
22953	Other coated fabrics.....	201.4	MG
22950	Coated fabrics, not rubberized, n.s.k.....	17.7	D
2296-	Tire cord and fabric.....	506.7	D
2297-	Scouring and combing plants.....	93.4	D
2298-	Cordage and twine.....	174.2	S
22981	Hard fiber cordage and twine.....	38.2	MG
22982	Soft fiber cordage and twine, ex- cept cotton.....	88.5	HG
22983	Cotton cordage and twine.....	39.9	S
22980	Cordage and twine, n.s.k.....	7.6	HG
2299-	Textile goods, n.e.c.....	271.6	HG
22991	Nonwoven textiles.....	214.8	HG
22992	Jute goods (except jute felts, cord- age, or twine) and linen goods...	35.4	D
22990	Textile goods, n.e.c., n.s.k.....	21.4	HG
2311-	Men's and boys' suits and coats, except contract and commission work.....	1,627.5	S
23111	Men's suits.....	890.6	S
23112	Men's overcoats and topcoats....	132.4	MG
23113	Men's tailored dress and sport coats and jackets.....	430.0	HG
23114	Boys' suits, coats, and tailored jackets.....	122.9	MG
23110	Men's and boys' suits and coats, n.s.k.....	51.6	VHG
2321-	Men's and boys' shirts and night- wear, except contract and com- mission work.....	1,194.8	S

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
23212	Men's and boys' knit sport shirts (made from purchased knit fabrics).....	190.3	HG
23214	Men's and boys' woven dress and sport shirts.....	858.8	S
23215	Men's and boys' nightwear (of woven or purchased knit fabric).....	89.7	S
23210	Men's and boys' (except work shirts) and nightwear, n.s.k.....	56.0	VHG
2322-	Men's and boys' underwear (made of woven or purchased knit fabric).....	177.0	S
2323-	Men's and boys' neckwear.....	125.9	D
2327-	Men's and boys' separate trousers, except contract and commission work.....	1,050.6	VHG
23271	Men's and boys' separate dress and sport trousers and dress shorts.....	1,035.0	MG
23270	Men's and boys' separate trousers, n.s.k.....	15.6	HG
2328-	Men's and boys' work clothing except contract and commission work.....	875.9	MG
23281	Men's and boys' work shirts.....	120.4	MG
23282	Men's and boys' clothing, except shirts and service apparel.....	720.1	MG
23280	Men's and boys' work clothing, n.s.k.....	35.4	VHG
2329-	Men's and boys' clothing, n.e.c., except contract and commission work.....	594.0	MG
23291	Men's and boys' coats and jackets, nontailored.....	333.4	MG
23292	Men's and boys' outerwear, n.e.c. (of woven or purchased knit fabrics).....	221.6	HG
23290	Men's and boys' clothing, n.e.c., n.s.k.....	39.0	VHG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2331-	Women's and misses' blouses, except contract and commission work.....	578.3	MG
23312	Women's, misses' knit sport shirts (of purchased knit fabric).....	91.4	MG
23317	Women's, misses' woven fabric blouses and shirts.....	425.2	D
23310	Women's and misses' blouses, n.s.k.....	61.7	HG
2335-	Women's and misses' dresses, except contract and commission work.....	2,587.7	S
23351	Women's, misses' dresses sold at a unit price.....	1,795.4	MG
23352	Women's, misses' dresses sold at a dozen-price.....	430.7	MG
23350	Women's and misses' dresses, n.s.k.....	361.6	HG
2337-	Women's and misses' suits and coats, except contract and commission work.....	1,420.6	S
23371	Women's, misses' coats, except fur and leather.....	604.3	D
23372	Women's, misses' suits.....	211.3	D
23374	Women's, misses' skirts and jackets.....	429.4	S
23370	Women's, misses' suits, coats, n.s.k.....	175.6	HG
2339-	Women's and misses' outerwear, except contract and commission work.....	818.4	HG
23392	Women's, misses' washable service apparel.....	121.4	MG
23393	Women's, misses' outerwear, n.e.c. (of woven or purchased knit fabric).....	606.9	S
23390	Women's and misses' outerwear, n.e.c., n.s.k.....	90.1	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2341-	Women's and children's underwear, except contract and commission work.....	943.3	S
23412	Women's and children's underwear of woven or purchased knit fabrics.....	487.9	S
23413	Women's and children's nightwear of woven or purchased knit fabrics.....	380.2	S
23410	Women's and children's underwear, n.s.k.....	75.2	VHG
2342-	Corsets and allied garments, except contract and commission work.....	597.0	D
23421	Brassieres.....	285.6	D
23422	Corsets, girdles, combinations, and accessories.....	281.8	S
23420	Corsets and allied garments, n.s.k..	29.6	VHG
2351-	Millinery.....	108.3	D
2352-	Hats and caps, except millinery, including 23520.....	196.6	D
23521	Hats and hat bodies, excluding cloth and millinery.....	72.8	D
23522	Cloth hats and caps.....	109.7	MG
2361-	Children's dresses and blouses, except contract work.....	441.5	D
23611	Children's dresses, blouses, shirts, except knit sport shirts.....	389.9	S
23612	Children's knit sport shirts.....	51.6	MG
2363-	Children's coats and suits, except contract and commission work.....	184.4	D
2369-	Children's outerwear, n.e.c.....	440.1	S
2371-	Fur goods.....	306.8	D
2381-	Fabric dress and work gloves.....	163.4	D

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
23811	Dress gloves, mittens of woven or purchased knit fabrics.....	23.3	D
23812	Work gloves, mittens of woven or purchased knit fabrics.....	134.2	MG
23810	Fabric dress and work gloves, n.s.k.....	5.9	HG
2384-	Robes and dressing gowns.....	148.4	S
2385-	Waterproof outer garments.....	318.8	HG
2386-	Leather and sheep lined clothing....	130.2	S
2387-	Apparel belts.....	98.7	D
23871	Leather belts.....	60.0	MG
23872	Belts, other than leather.....	22.9	D
23870	Apparel belts, n.s.k.....	15.8	HG
2389-	Apparel and accessories, n.e.c.....	136.5	MG
2391-	Curtains and draperies.....	434.5	VHG
2392-	Housefurnishings, n.e.c.....	1,055.1	MG
23926	Bedspreads and bedsets (not made in weaving mills).....	177.1	HG
23928	Cotton sheets and pillowcases (not made in weaving mills).....	188.5	MG
23929	Cotton towels and washcloths (not made in weaving mills).....	34.9	S
23920	Other housefurnishings.....	654.6	MG
2393-	Textile bags.....	280.1	D
2394-	Canvas products.....	221.7	HG
2395-	Pleating and stitching.....	124.9	D
23951	Embroideries, except Schiffli machine and art needlework.....	48.0	S
23959	Commission embroidering, except Schiffli machine, etc., for the trade.....	41.2	D
23950	Pleating and stitching needlework and commission receipts, n.s.k....	35.7	HG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2396-	Automotive and apparel trimming..	967.2	HG
23961	Men's and boys' suit and coat findings, and hat and cap materials..	53.4	S
23962	Auto and furniture trimmings.....	669.3	MG
23963	Other trimmings and findings.....	210.2	HG
23960	Auto and apparel trimmings, n.s.k..	34.3	MG
2397-	Schiffli machine embroideries.....	81.5	D
2399-	Fabricated textile products, n.e.c.....	559.5	HG
2411-	Logging camps and contractors.....	1,677.3	D
24119	Receipts for contract logging.....	371.8	S
24110	Logs, bolts, and pulpwood.....	1,305.5	MG
2421-	Sawmills and planing mills, except wood chips.....	3,634.8	D
24211	Rough lumber and sawed ties.....	846.3	D
24212	Dressed lumber.....	2,143.0	MG
24217	Softwood cut stock.....	99.1	S
24218	Softwood flooring and general sawmill and planing mill products..	55.2	D
24219	Contract or custom sawing of logs owned by others.....	40.3	D
24210	Sawmill and planing mill products, n.s.k.....	450.9	VHG
2426-	Hardwood dimension and flooring...	409.6	S
24261	Hardwood flooring.....	122.4	D
24262	Hardwood dimension stock, furniture parts, and vehicle stock..	260.2	MG
24260	Hardwood dimension and flooring, n.s.k.....	27.0	HG
2429-	Special product sawmills, n.e.c., including wood chips.....	352.8	S
2431-	Millwork.....	1,542.7	S
24311	Window units, wood.....	173.1	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
24312	Wood window sash, including combination screen and storm, except window screens and units.	45.4	S
24313	Wood window and door frames....	68.0	D
24314	Wood doors, interior and exterior..	346.7	MG
24315	Other wood doors.....	134.9	D
24316	Finished wood mouldings.....	231.9	MG
24317	Cabinet work, to be built in.....	207.8	MG
24318	Other millwork products.....	133.5	MG
24310	Millwork, n.s.k.....	201.4	HG
2432-	Veneer and plywood.....	1,963.4	MG
24321	Hardwood plywood.....	363.8	S
24322	Softwood plywood, interior.....	502.6	S
24323	Softwood plywood, exterior.....	572.7	HG
24324	Prefinished hardwood plywood from purchased plywood and other plywood-type products, except particleboard.....	171.0	MG
24325	Hardwood veneer.....	129.2	D
24326	Softwood veneer.....	199.6	MG
24320	Veneer and plywood, n.s.k.....	24.5	HG
2433-	Prefabricated wood structures.....	516.8	MG
2441-	Nailed wooden boxes and shook....	266.1	D
24411	Nailed or lock-corner wooden boxes.....	106.4	MG
24412	Box shook for fruits, vegetables, industrial uses.....	125.6	MG
24410	Nailed wooden boxes and shook, n.s.k.....	34.1	VHG
2442-	Wirebound boxes and crates.....	125.1	D
2443-	Veneer and plywood containers.....	26.6	D
2445-	Cooperage.....	72.3	D
2491-	Wood preserving.....	356.3	MG
24911	Wood owned and treated by same establishment.....	305.4	MG
24919	Contract wood preserving.....	32.6	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
24910	Wood preserving, n.s.k.....	18.3	VHG
2499-	Wood products, n.e.c.....	1,330.3	MG
24991	Mirror and picture frames.....	144.6	MG
24992	Pallets and skids.....	215.3	HG
24993	Particleboard.....	133.0	HG
24994	Cork products.....	17.9	D
24995	Wood products, n.e.c.....	512.5	MG
24996	Fabricated hardboard products (from hardboard produced at same establishment).....	182.8	MG
24990	Wood products, n.e.c., n.s.k.....	124.2	VHG
2511-	Wood household furniture.....	2,524.4	MG
25111	Radio, phonograph, and TV wood cabinets.....	266.5	HG
25112	Other wood living room, library, sunroom and hall furniture.....	431.4	MG
25113	Wood dining room and kitchen furniture, except cabinets.....	427.1	MG
25114	Kitchen cabinets, wood.....	327.5	S
25115	Wood bedroom furniture.....	796.5	MG
25116	Children's wood furniture.....	54.1	S
25117	Wood outdoor furniture and unpainted wood furniture.....	70.3	MG
25110	Wood household furniture, n.s.k.....	151.0	VHG
2512-	Upholstered household furniture....	1,406.0	MG
25121	Upholstered wood household furniture.....	1,245.2	MG
25126	Wood frames for household furniture.....	68.2	D
25120	Upholstered household furniture, n.s.k.....	92.6	VHG
2514-	Metal household furniture.....	652.1	D
25141	Metal household furniture.....	190.1	MG
25142	Metal kitchen furniture.....	62.6	D
25143	Metal outdoor furniture.....	119.1	S
25144	Other metal household furniture..	238.2	HG
25140	Metal household furniture, n.s.k..	42.1	VHG
2515-	Mattresses and bedsprings.....	791.3	S

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
25151	Innerspring mattresses, other than crib size.....	272.0	S
25152	Other mattresses, including crib mattresses.....	66.3	MG
25153	Bedsprings.....	205.0	MG
25154	Convertible sofas.....	124.9	MG
25155	Jackknife sofa and chair beds.....	41.9	S
25156	Studio couches.....	16.1	S
25150	Mattresses and bedsprings, n.s.k..	65.1	VHG
2519-	Household furniture, n.e.c.....	83.9	VHG
2521-	Wood office furniture.....	167.0	HG
2522-	Metal office furniture.....	582.8	HG
25221	Metal office furniture.....	141.9	HG
25222	Desks.....	145.1	HG
25223	Cabinets and cases.....	215.9	MG
25224	Other metal office furniture.....	74.0	MG
25220	Metal office furniture, n.s.k.....	5.9	VHG
2531-	Public building furniture.....	404.3	MG
25311	School furniture, except stone and concrete.....	168.3	MG
25312	Public building furniture, except school furniture.....	227.1	MG
25310	Public building furniture, n.s.k.....	8.9	MG
2541-	Wood partitions and fixtures.....	500.2	MG
2542-	Metal partitions and fixtures.....	531.9	HG
2591-	Venetian blinds and shades.....	232.2	D
25911	Window shades and accessories...	171.8	MG
25912	Venetian blinds.....	27.4	D
25910	Venetian blinds and shades, n.s.k..	33.0	VHG
2599-	Furniture and fixtures, n.e.c.....	199.3	MG
2611-	Pulpmills, including n.s.k., 26110..	965.9	S
26111	Special alpha and dissolving wood-pulp.....	270.4	S

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
26112	Other pulp, including wood, and pulpmill byproducts, except tall oil.....	690.6	MG
2621-	Papermills, except building.....	5,001.0	S
26211	Newspaper.....	369.3	MG
26212	Groundwood paper, uncoated.....	209.3	MG
26213	Coated printing converting paper..	875.9	HG
26214	Book paper, uncoated.....	625.2	MG
26215	Papermill products, n.e.c., including 26215-26219.....	2,216.7	MG
26210	Tissue paper and other machine creped paper.....	704.6	MG
2631-	Paperboard mills.....	2,906.0	MG
26318	Wet machine board.....	41.8	S
26310	Paperboard mill products, n.s.k. including 26312-26317.....	2,964.2	MG
2641-	Paper coating and glazing.....	1,474.3	MG
26411	Printing paper coated outside papermills.....	155.8	D
26412	Oiled, waxed and wax laminated paper.....	172.2	D
26413	Gummed products.....	138.1	MG
26414	Pressure-sensitive tape.....	480.3	MG
26415	Laminated or coated wrappers, except waxed rolls or sheets....	180.1	MG
26416	Other coated and processed paper, except wrappers.....	327.0	S
26410	Coated and glazed paper, n.s.k...	20.8	VHG
2642-	Envelopes, except stationery.....	462.6	MG
2643-	Bags, except textile bags.....	1,362.5	MG
26431	Grocers' and variety bags (paper) and wardrobe, shopping, other..	371.4	MG
26432	Specialty bags and liners.....	604.2	MG
26433	Shipping sacks, multiwall bags....	330.7	MG
26430	Bags, except textile bags, n.s.k...	56.2	VHG
2644-	Wallpaper.....	46.0	D

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2645-	Die-cut paper and board.....	587.9	HG
26451	Office supplies and miscellaneous products.....	385.2	MG
26452	Pasted, lined, laminated, or surface-coated paperboard.....	185.8	HG
26450	Die-cut paper and board, n.s.k.....	16.9	HG
2646-	Pressed and molded pulp goods.....	159.2	VHG
26461	Bituminous fiber pipe, conduit and fittings.....	25.8	S
26462	Other pressed and molded pulp goods, including n.s.k. 26460....	133.4	MG
2647-	Sanitary paper products, including n.s.k., 26470.....	1,413.6	MG
26471	Sanitary napkins and tampons.....	208.5	MG
26472	Sanitary tissue health products....	1,199.8	MG
2649-	Converted paper products, n.e.c.....	766.6	MG
26491	Stationery, tablets, etc.....	290.8	MG
26492	Wrapping products.....	126.5	MG
26495	Other converted paper products...	343.0	S
26490	Converted paper products, n.s.k...	6.3	D
2651-	Folding paperboard boxes.....	1,200.2	MG
2652-	Setup paperboard boxes.....	305.8	D
2653-	Corrugated and solid fiber boxes....	3,136.3	MG
2654-	Sanitary food containers, including n.s.k., 26540.....	1,139.6	MG
26541	Milk and other beverage cartons..	296.4	S
26542	Cups and liquid-tight food containers.....	413.7	MG
26543	Other sanitary food containers....	421.6	HG
2655-	Fiber cans, drums, etc.....	472.7	HG
26551	Paperboard fiber drums.....	105.8	HG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
26552	Fiber cans, tubes, etc.....	360.4	MG
26550	Fiber cans, drums, etc., n.s.k.....	6.5	HG
2661-	Building paper and board mills.....	345.2	D
26611	Insulating board.....	197.3	S
26612	Construction paper.....	147.9	S
26610	Building paper and board, n.s.k....	N.A.	HG
2711-	Newspapers.....	5,961.5	MG
	Daily and Sunday newspapers:		
27111	Subscription and sales.....	1,414.0	MG
27112	Advertising.....	3,895.7	MG
	Weekly and other newspapers:		
27113	Subscription and sales.....	88.1	D
27114	Advertising.....	277.7	D
27110	Newspapers, n.s.k.....	286.0	VHG
2721-	Periodicals.....	2,784.0	MG
	Farm periodicals:		
27211	Subscription and sales.....	14.7	MG
27212	Advertising.....	55.0	D
	Specialized business and professional periodicals:		
27213	Subscription and sales.....	181.8	MG
27214	Advertising.....	544.5	MG
	General periodicals:		
27215	Subscription and sales.....	648.8	MG
27216	Advertising.....	884.4	MG
27217	Other periodicals, except shopping news, n.e.c. (subscriptions, sales, and advertising).....	294.7	MG
27210	Periodicals, n.s.k.....	160.1	VHG
2731-	Book publishing.....	2,333.2	HG
27311	Textbooks, including teachers'.....	749.3	MG
27312	Subscription reference books.....	227.7	MG
27313	Technical, scientific, and professional books.....	259.6	MG
27314	Religious books.....	103.4	MG
27315	General books (trade, etc.).....	700.1	MG
27316	Other books and pamphlets.....	218.6	MG
27310	Book publishing, n.s.k.....	74.5	VHG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2732-	Book printing.....	951.8	HG
27321	Book printing and binding (lithographic).....	652.6	HG
27322	Book printing and binding, except lithographic.....	262.1	S
27320	Book printing, n.s.k.....	37.1	HG
2741-	Miscellaneous publishing.....	673.4	HG
27411	Catalog and directory publishing...	192.7	MG
27412	Business services publications....	140.8	MG
27413	Other miscellaneous publishing....	264.5	MG
27410	Miscellaneous publishing, n.s.k....	75.4	VHG
2751-	Printing, except lithographic.....	3,407.6	D
	Letterpress printing:		
27511	Magazines and periodicals.....	519.4	D
27512	Labels and wrappers.....	394.9	MG
27513	Catalogs and directories.....	187.6	MG
27514	Financial and legal.....	187.4	HG
27515	Advertising.....	367.6	MG
27516	Other general.....	624.8	D
27517	Publication printing (gravure).....	219.8	MG
27518	Other gravure printing.....	258.3	HG
27519	Screen printing, except textiles....	99.6	MG
27510	Commercial printing, except lithographic, n.s.k.....	548.2	HG
2752-	Printing, lithographic.....	3,380.8	VHG
27521	Magazines and periodicals.....	324.2	HG
27522	Labels and wrappers.....	196.7	MG
27523	Catalogs and directories.....	279.5	HG
27524	Financial and legal.....	150.4	MG
27525	Advertising.....	1,071.2	MG
27526	Other general (job).....	822.8	MG
27527	Lithographic plates made for others.....	191.5	S
27520	Commercial printing, lithographic, n.s.k.....	344.5	VHG
2753-	Engraving and plate printing.....	192.7	MG
2761-	Manifold business forms.....	979.9	HG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
27611	Continuous business forms.....	542.0	HG
27612	Unit set forms.....	365.6	MG
27613	Sales and other manifold books...	47.3	D
27610	Manifold business forms, n.s.k....	25.0	VHG
2771-	Greeting card publishing.....	489.3	MG
27711	Greeting cards, publishers' sales..	422.2	MG
27712	Greeting cards, printed for publication by others.....	51.0	MG
27710	Greeting cards, n.s.k.....	16.1	HG
2782-	Blankbooks and looseleaf binders...	381.8	MG
27821	Blankbook making.....	194.0	MG
27822	Looseleaf binders and devices....	167.4	MG
27820	Blankbooks and looseleaf binders, n.s.k.....	20.4	HG
2789-	Bookbinding and related work.....	329.9	HG
27891	Edition, library, and other hard cover bookbinding.....	157.2	MG
27892	Other book and pamphlet binding..	136.9	S
27890	Bookbinding and related work, n.s.k.....	35.8	HG
2791-	Typesetting.....	372.6	HG
2793-	Photoengraving.....	249.6	D
2794-	Electrotyping and stereotyping.....	63.9	D
2812-	Alkalies and chlorine, including n.s.k., 28120.....	607.9	D
28121	Chlorine, compressed or liquid....	195.5	MG
28122	Sodium carbonate (soda ash).....	135.9	S
28123	Sodium hydroxide (caustic soda)...	247.9	S
28124	Other alkalies.....	27.1	MG
2813-	Industrial gases, including n.s.k., 28130.....	628.0	D

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
28132	Acetylene.....	79.9	D
28133	Carbon dioxide.....	51.6	D
28134	Elemental gases and compressed and liquified gases, n.e.c.....	474.4	MG
2815-	Cyclic intermediates and crudes.....	1,801.8	S
28151	Cyclic intermediates.....	1,147.5	MG
28152	Synthetic organic dyes.....	365.0	MG
28153	Synthetic organic pigments, lakes, toners.....	189.2	MG
28155	Cyclic (coal tar) crudes (formerly 2814).....	88.8	S
28150	Cyclic intermediates and crudes, n.s.k.....	11.3	VHG
2816-	Inorganic pigments.....	628.3	S
28161	Titanium pigments.....	317.4	S
28162	Other white opaque pigments.....	77.5	MG
28163	Chrome colors and other inorganic pigments.....	225.2	S
28160	Inorganic pigments, n.s.k.....	8.2	VHG
2818-	Industrial organic chemicals, n.e.c..	6,081.4	MG
28181	Miscellaneous cyclic chemical products.....	401.2	HG
28182	Miscellaneous acrylic chemicals and chemical products.....	4,431.9	MG
28183	Synthetic organic chemicals, n.e.c.....	660.7	MG
28184	Pesticides and other organic chemicals.....	322.9	MG
28185	Ethyl alcohol and other industrial organic chemicals, n.e.c.....	261.4	MG
28180	Industrial organic chemicals, n.s.k.....	3.3	HG
2819-	Industrial inorganic chemicals, n.e.c.....	3,854.2	D
28191	Synthetic ammonia, nitric acid, and ammonium compounds.....	778.5	MG
28192	Inorganic industrial and household bleaching compounds.....	232.1	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
28193	Sulfuric acid.....	294.1	MG
28194	Inorganic acids, except nitric and sulfuric.....	234.5	MG
28195	Aluminum oxide.....	397.2	MG
28196	Other aluminum compounds.....	138.1	MG
28197	Potassium and sodium, except bleaches, alkalies, and alums....	497.9	D
28198	Chemical catalytic preparations....	124.3	MG
28199	Other inorganic chemicals, n.e.c....	1,124.8	MG
28190	Industrial inorganic chemicals, n.e.c., n.s.k.....	32.7	HG
2821-	Plastic materials and resins.....	4,146.8	HG
28211	Unsupported plastics film, etc. from resins manufactured in same establishment.....	242.1	S
28212	Regenerated cellulosic products, except rayon.....	337.6	S
28213	Thermoplastic resins, except resins for protective coats.....	2,178.4	MG
28214	Thermosetting resins, except resins for protective coats.....	620.2	MG
28215	Synthetic resin adhesives, from resins manufactured in same establishment.....	61.5	HG
28216	Synthetic resins for protective coatings.....	330.6	S
28217	Custom compounded purchased resins.....	261.3	S
28219	Plastics and resin material, n.e.c....	103.8	MG
28210	Plastics material and resins, n.s.k..	11.3	HG
2822-	Synthetic rubber.....	1,060.2	MG
2823-	Cellulosic manmade fibers.....	751.6	D
28231	Acetate yarn.....	339.8	S
28232	Rayon yarn, viscose and cuprammonium processes.....	411.8	D
2824-	Organic fibers, noncellulosic.....	2,393.6	VHG
28241	Polyamide fibers, nylon, except monofilaments.....	1,284.7	MG
28242	Other noncellulosic synthetic organic fibers.....	1,108.9	HG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
2831-	Biological products.....	247.6	HG
28311	Biological products for human use, including 28312, 3, 4.....	196.6	MG
28315	Biological products for veterinary use (formerly 28312).....	46.6	MG
28310	Biological products, n.s.k.....	4.4	VHG
2833-	Medicinals and botanicals.....	722.1	D
28331	Synthetic organic medicinal chemicals, in bulk.....	529.5	MG
28332	Other medicinal chemicals in bulk, n.e.c.....	86.1	MG
28330	Medicinals and botanicals, n.s.k....	6.5	VHG
2834-	Pharmaceutical preparations.....	4,608.0	MG
28341	Pharmaceutical preparations affecting neoplasms, endocrine system and metabolic diseases, for human use.....	458.4	HG
28342	Pharmaceutical preparations acting on the central nervous system and the sense organs, for human use.....	1,256.3	MG
28343	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	239.4	MG
28344	Pharmaceutical preparations acting on the respiratory system, for human use.....	431.6	MG
28345	Pharmaceutical preparations acting on the digestive or the genito-urinary systems, for human use.....	608.0	MG
28346	Pharmaceutical preparations acting on the skin, for human use..	259.7	MG
28347	Vitamin, nutrient and hematinic preparations for human use.....	409.4	MG
28348	Pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	736.2	MG
28349	Pharmaceutical preparations for veterinary use.....	152.7	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
28340	Pharmaceutical preparations, n.e.c.....	56.3	VHG
2841-	Soap and other detergents.....	2,306.1	D
28411	Alkaline detergents and acid-type cleaners.....	358.2	MG
28412	Soaps, except specialty cleaners (nonhousehold).....	59.2	D
28413	Soaps, except specialty cleaners (household).....	352.4	S
28414	Glycerin, natural.....	50.3	S
28415	Synthetic organic detergents, household.....	1,277.2	MG
28416	Synthetic organic detergents, non-household.....	152.1	MG
28410	Soap and other detergents, n.s.k....	56.7	VHG
2842-	Polishes and sanitation goods.....	1,156.6	MG
28421	Household insecticides.....	138.7	MG
28423	Specialty cleaning products.....	589.6	MG
28424	Polishing preparations and related products.....	345.2	MG
28420	Polishes and sanitation goods, n.s.k.....	83.1	VHG
2843-	Surface active agents.....	444.6	VHG
2844-	Toilet preparations.....	3,099.3	HG
28441	Shaving preparations.....	192.6	MG
28442	Perfumes, toilet water, colognes..	471.1	HG
28443	Hair preparations, including shampoos.....	839.2	MG
28444	Dentifrices, including mouthwash.....	349.2	MG
28445	Other cosmetics.....	1,188.7	MG
28440	Toilet preparations, n.s.k.....	58.5	VHG
2851-	Paints and allied products.....	2,859.3	MG
28511	Exterior oil-type trade sales paint products.....	344.7	D
28512	Exterior water-type trade sales paint products.....	156.3	HG
28513	Interior oil-type trade sales paint products.....	284.8	D

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
28514	Interior water-type trade sales paint products including tinting bases.....	332.1	MG
28515	Trade sales lacquers.....	46.9	S
28516	Industrial product finishes, except lacquers.....	802.3	S
28517	Industrial lacquers, including acrylic.....	210.5	S
28518	Putty and allied products.....	178.9	MG
28519	Miscellaneous paint products.....	270.1	MG
28510	Paints and allied products, n.s.k..	232.7	VHG
2861-	Gum and wood chemicals.....	225.8	D
28611	Softwood distillation products.....	90.8	S
28612	Other gum and wood chemicals....	126.4	S
28610	Gum and wood chemicals, n.s.k...	8.6	VHG
2871-	Fertilizers, including n.s.k., 29710..	961.3	MG
28711	Phosphatic fertilizer materials.....	523.5	MG
28712	Mixed fertilizers (from phosphatic fertilizer material products in same establishment and fertilizer material of organic origin)..	430.1	S
2872-	Fertilizers, mixing only.....	614.8	MG
2879-	Agricultural chemicals, n.e.c.....	937.5	HG
2891-	Adhesives and gelatin.....	528.7	MG
28911	Glues, adhesives, and sizes.....	448.4	MG
28912	Gelatin, except ready-to-eat desserts.....	70.7	MG
28910	Adhesives and gelatin, n.s.k.....	9.6	VHG
2892-	Explosives.....	261.0	S
2893-	Printing ink.....	396.7	MG
2895-	Carbon black.....	198.5	D
2899-	Chemical preparations, n.e.c.....	1,523.9	MG
28991	Salt.....	122.0	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
28992	Fatty acids.....	120.9	S
28993	Essential oils, fireworks, and pyrotechnics, and chemicals and chemicals preparations n.e.c.....	1,186.8	MG
28990	Chemical preparations, n.e.c., n.s.k.....	94.2	VHG
2911-	Petroleum refining.....	20,145.6	D
29111	Gasoline.....	10,331.2	MG
29112	Jet fuel.....	1,240.6	HG
29113	Kerosene.....	432.3	D
29114	Distillate fuel oil.....	3,453.5	MG
29115	Residual fuel oil.....	584.8	S
29116	Liquefied refinery gases.....	1,218.1	S
29117	Lubricating oils and greases made in refineries.....	884.3	S
29118	Unfinished oils and lubricating oil base stock.....	591.9	S
29119	Asphalt.....	459.1	MG
29110	Other finished petroleum products	949.8	HG
2951-	Paving mixtures and blocks.....	568.1	HG
2952-	Asphalt felts and coatings.....	543.7	D
29521	Asphalt and tar saturated felts and boards, nonbuilding use.....	34.2	MG
29522	Roofing asphalt, coatings, etc.....	121.9	S
29523	Asphalt and tar roofing and siding products.....	385.8	S
29520	Asphalt felts and coatings, n.s.k...	1.8	VHG
2992-	Lubricating oils and greases.....	461.8	D
2999-	Petroleum and coal products, n.e.c..	81.2	D
3011-	Tires and inner tubes, including n.s.k., 30110.....	3,579.4	S
30111	Passenger car and motorcycle pneumatic tires (casings).....	2,025.1	MG
30112	Truck and bus (and off-the-road) pneumatic tires.....	937.7	MG
30113	Other pneumatic and solid tires...	290.5	MG
30114	All inner tubes.....	116.2	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
30115	Tread rubber, repair materials....	205.6	S
3021-	Rubber footwear.....	384.6	HG
3031-	Reclaimed rubber.....	49.3	D
3069-	Fabricated rubber products, n.e.c....	3,130.5	MG
30691	Rubber belts and belting.....	279.9	MG
30692	Rubber hose and tubing.....	427.7	MG
30693	Sponge and foam rubber goods...	319.5	MG
30694	Rubber floor and wall covering....	74.2	D
30695	Mechanical rubber goods, n.e.c....	1,183.5	MG
30696	Rubber heels and soles.....	134.6	S
30697	Druggist and medical sundries....	96.2	S
30698	Other rubber goods, n.e.c.....	559.1	MG
30690	Fabricated rubber products, n.e.c. n.s.k.....	55.8	HG
3079-	Miscellaneous plastics products....	6,455.9	VHG
30791	Unsupported plastics film, etc. from purchased resins.....	1,170.8	HG
30792	Foamed plastics products.....	567.9	HG
30793	Laminated sheets, rods, tubes....	418.5	MG
30794	Plastic packaging containers....	866.5	HG
30795	Industrial plastics products.....	1,510.7	MG
30796	Construction plastics products....	522.5	HG
30797	Plastics dinnerware.....	224.7	MG
30798	Consumer and commercial plas- tics products, n.e.c.....	834.0	MG
30790	Miscellaneous plastics products, n.e.c., n.s.k.....	340.3	VHG
3111-	Leather tanning and finishing, ex- cept contract and commission work.....	734.2	D
31111	Finished cattle hide and kip side leathers.....	494.6	MG
31112	Finished calf and whole kip leathers.....	36.1	D
31113	Finished sheep and lamb leathers.	76.8	D
31114	Other finished leathers, n.e.c.....	68.5	D

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
31115	Rough, russet, and crust leather (not finished in same establishment).....	30.4	MG
31110	Tanned and finished leather, n.s.k..	27.8	HG
3121-	Industrial leather belting.....	43.0	D
3131-	Footwear cut stock.....	262.4	D
3141-	Shoes, except rubber.....	2,918.8	D
31411	Men's dress and play shoes.....	725.0	MG
31412	Men's work shoes.....	297.8	HG
31413	Youths' and boys' shoes.....	97.1	MG
31414	Women's shoes.....	1,413.1	MG
31415	Misses' and children's shoes.....	223.6	S
31416	Infants' and babies' shoes.....	73.3	S
31417	All other footwear, except rubber and slippers.....	52.8	D
31410	Shoes, except rubber, n.s.k.....	36.1	HG
3142-	House slippers.....	165.8	MG
3151-	Leather gloves and mittens.....	70.8	S
3161-	Luggage.....	322.3	MG
3171-	Women's handbags and purses.....	335.8	S
3172-	Personal leather goods.....	192.5	D
3199-	Leather goods, n.e.c.....	94.3	MG
3211-	Flat glass, including n.s.k., 32110...	969.8	S
32111	Sheet (window) glass.....	142.4	S
32112	Plate and float glass, including code 32114.....	405.1	S
32113	Laminated glass, including safety glass, made from glass produced in same establishment or 32313, purchased glass.....	422.3	MG
3221-	Glass containers.....	1,385.7	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3229-	Pressed and blown glass, n.e.c.....	982.0	MG
32291	Kitchen, art, novelty glass.....	297.8	MG
32292	Lighting and electronic glass.....	351.1	MG
32293	Glass fiber (textile type).....	172.8	MG
32294	Other pressed and blown glass....	151.2	MG
32290	Pressed and blown glass, n.e.c., n.s.k.....	9.1	VHG
3231-	Products from purchased glass.....	597.1	S
32315	Mirrors.....	170.0	MG
32316	Other products from purchased glass.....	375.5	MG
32310	Products from purchased glass, n.s.k.....	51.6	VHG
3241-	Cement, hydraulic.....	1,302.3	D
3251-	Brick and structural clay tile.....	376.7	D
32511	Brick, except ceramic glazed and refractory.....	327.7	S
32512	Glazed brick and structural hollow tile.....	27.0	S
32510	Brick and structural clay tile, n.s.k..	22.0	VHG
3253-	Ceramic wall and floor tile.....	145.7	D
3255-	Clay refractories.....	249.6	D
3259-	Structural clay products, n.e.c.....	153.7	D
32591	Vitrified clay sewer pipe.....	106.0	D
32592	Structural clay products, n.e.c.....	47.7	MG
3261-	Vitreous plumbing fixtures.....	180.1	D
3252-	Vitreous china food utensils.....	71.2	D
3263-	Fine earthenware food utensils.....	59.2	D
3264-	Porcelain electrical supplies.....	197.5	HG
3269-	Pottery products, n.e.c.....	100.0	D
3271-	Concrete block and brick.....	547.8	D

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3272-	Concrete products, n.e.c.....	1,261.8	MG
32721	Concrete pipe.....	443.9	S
32722	Precast concrete products.....	423.3	S
32723	Prestressed concrete products.....	262.4	HG
32720	Concrete products, n.s.k.....	132.2	HG
3273-	Ready-mix concrete.....	2,335.8	MG
3274-	Lime.....	158.0	D
3275-	Gypsum products.....	411.0	D
3281-	Cut stone and stone products.....	226.8	D
32811	Cut granite and granite products.....	88.8	D
32812	Cut limestone and limestone products.....	33.8	S
32813	Cut marble and other cut stone products.....	58.6	D
32810	Cut stone and stone products, n.s.k.....	45.6	VHG
3291-	Abrasive products.....	813.6	MG
32911	Nonmetallic artificial sized grains abrasives (graded).....	106.2	MG
32912	Nonmetallic bonded abrasives.....	306.1	S
32913	Nonmetallic coated abrasives and polishing wheels.....	299.1	MG
32914	Metal abrasives.....	78.8	S
32910	Abrasive products, n.s.k.....	23.4	D
3292-	Asbestos products.....	594.0	D
32922	Asbestos friction materials.....	164.1	MG
32924	Asbestos-cement shingles.....	25.7	D
32925	Asphalt floor tile.....	21.0	D
32926	Vinyl asbestos floor tile.....	154.3	S
32927	Asbestos textiles and other asbestos products.....	225.7	MG
32920	Asbestos products, n.s.k.....	3.2	VHG
3293-	Gaskets and insulations.....	369.6	MG
32932	Gaskets, all types.....	274.7	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
32933	Packing, except leather, rubber, and metal and asbestos insulation.....	76.6	MG
32930	Gaskets and insulations, n.s.k.....	18.3	HG
3295-	Minerals, ground or treated.....	308.5	S
3296-	Mineral wool.....	455.1	MG
32961	Mineral wool for structural insulation.....	155.0	MG
32962	Mineral wool for industrial and equipment insulation.....	291.8	S
32960	Mineral wool, n.s.k.....	8.3	HG
3297-	Nonclay refractories.....	312.0	MG
3299-	Nonmetallic minerals, n.e.c.....	103.5	MG
3312-	Blast furnaces and steel mills.....	19,495.4	S
33121	Coke ovens and blast furnaces....	1,320.9	S
33122	Steel ingots and semifinished shapes.....	2,676.9	S
33123	Hot rolled sheet and strip.....	4,724.9	S
33124	Hot rolled bars and shapes.....	4,762.8	S
33125	Steel wire produced in steel mills..	357.2	D
33126	Steel pipe and tubes produced in steel mills.....	1,694.1	MG
33127	Cold rolled steel sheet and strip produced in steel mills.....	3,139.9	S
33128	Cold finished steel bars and bar shapes produced in steel mills..	226.7	S
33129	Press and hammer steel forgings produced in steel mills.....	201.7	HG
33120	Other steel mill products, except wire products, n.s.k.....	390.3	MG
3313-	Electrometallurgical products.....	416.3	D
33131	Ferromanganese, including 33134.	206.7	D
33132	Ferrochrome.....	92.3	S
33133	Ferrosilicon.....	115.4	MG
33130	Electrometallurgical products, n.s.k.....	1.9	D
3315-	Steel wire and related products.....	1,155.2	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
33151	Noninsulated ferrous wire rope, etc., made in wiredrawing plants.	187.3	MG
33152	Steel nails and spikes.....	183.5	S
33155	Steel wire not produced in steel mills.....	333.6	MG
33156	Fencing made in wiredrawing plants.....	88.6	MG
33157	Woven wire products made in wiredrawing plants.....	41.4	HG
33159	Other fabricated ferrous wire products, except springs, made in wiredrawing plants.....	308.6	HG
33150	Steel wire and related products, n.s.k.....	12.2	HG
3316-	Cold finishing of steel shapes.....	1,036.1	VHG
33167	Cold rolled steel sheet and strip not made in steel mills.....	619.2	MG
33168	Cold rolled steel shapes not made in steel mills.....	399.3	MG
33160	Cold rolled sheet, strip, and bar, n.s.k.....	17.6	VHG
3317-	Steel pipe and tubes not made in steel mills.....	1,149.5	S
3321-	Gray iron foundries.....	2,978.1	MG
33211	Molds for heavy steel ingots.....	253.0	S
33212	Cast iron pressure pipe.....	327.6	S
33213	Cast iron soil pipe.....	175.2	S
33214	All other gray iron castings.....	2,147.2	MG
33210	Gray iron castings, n.s.k.....	75.1	HG
3322-	Malleable iron foundries.....	444.8	MG
3323-	Steel foundries.....	1,147.3	HG
3331-	Primary copper.....	1,409.8	D
33311	Copper smelter products.....	779.6	D
33312	Refined primary copper, including n.s.k., 33310.....	630.2	S

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3332-	Primary lead.....	(D)	D
33323	Refined primary lead.....	143.7	MG
3333-	Primary zinc.....	285.3	D
33331	Zinc smelter products.....	28.0	D
33334	Refined primary zinc.....	257.3	D
3334-	Primary aluminum.....	1,621.9	MG
33347	Aluminum ingot produced in primary aluminum reduction plants.	1,377.6	MG
33348	Aluminum extrusion billet, produced in primary aluminum reduction plants.....	244.3	HG
3339-	Primary nonferrous metals, n.e.c., including 33415, 33416.....	782.4	VHG
33395	Precious metals, primary smelting, including 33415.....	413.8	MG
33397	Other primary nonferrous metals, including magnesium, smelted or refined, including 33416.....	358.6	HG
33390	Primary nonferrous metals, n.e.c., n.s.k.....	10.0	VHG
3341-	Secondary nonferrous metals, except 33415, 33416.....	1,150.4	S
33412	Secondary copper.....	413.2	MG
33413	Secondary lead.....	228.1	D
33414	Secondary zinc.....	32.3	D
33417	Aluminum ingot from secondary smelters.....	356.8	S
33418	Aluminum extrusion billet from secondary smelters.....	49.5	HG
33410	Secondary nonferrous metals, n.s.k.....	70.5	VHG
3351-	Copper rolling and drawing.....	2,423.4	D
33511	Copper and copper-base alloy wire other than for electrical transmission.....	110.0	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
33512	Rolled, drawn, extruded copper and copper-base alloy mill products, including n.s.k., 33510.....	2,313.4	MG
3352-	Aluminum rolling and drawing.....	2,962.1	MG
33521	Aluminum and aluminum-base alloy wire made in aluminum rolling mills.....	85.8	MG
33522	Aluminum plate and sheet.....	1,457.6	MG
33523	Plain aluminum foil.....	204.9	MG
33524	Rolled aluminum rod, bar, etc.....	289.7	HG
33525	Extruded aluminum shapes.....	597.0	MG
33526	Aluminum tube, etc.....	184.5	MG
33527	Aluminum ingot made in aluminum rolling mills.....	53.6	D
33528	Aluminum extrusion billet made in aluminum rolling mills.....	43.7	D
33520	Rolled and drawn aluminum, n.s.k..	45.3	VHG
3356-	Nonferrous rolling and drawing.....	922.7	MG
3357-	Nonferrous wiredrawing.....	3,233.7	MG
33571	Aluminum and aluminum-base alloy wire produced in nonferrous wiredrawing plants.....	178.5	HG
33572	Copper and copper-base alloy wire for electric transmission.....	371.4	MG
33573	Other bare nonferrous metal wire made in nonferrous wiredrawing plants.....	44.1	MG
33574	Communication wire and cable....	848.5	MG
33575	Nonferrous woven wire products made in nonferrous wiredrawing plants.....	37.0	MG
33576	Appliance wire and cord.....	178.7	HG
33577	Magnet wire.....	406.4	MG
33578	Power wire and cable.....	377.8	MG
33579	Other insulated wire and cable, n.e.c.....	740.1	MG
33570	Drawn and insulated nonferrous wire, n.s.k.....	51.2	VHG
3361-	Aluminum castings.....	961.3	HG
3362-	Brass, bronze, copper castings.....	404.1	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3369-	Nonferrous castings, n.e.c.....	602.1	HG
3391-	Iron and steel forgings.....	1,389.4	S
33911	Drop, upset, and press steel forgings (closed-die).....	1,094.6	MG
33919	Open-die or smith forgings produced from purchased materials.	273.2	MG
33910	Iron and steel forgings, n.s.k.....	21.6	D
3392-	Nonferrous forgings.....	320.7	VHG
3399-	Primary metal products, n.e.c.....	649.2	VHG
33991	Metal powders and paste.....	248.8	HG
33992	Other primary metal products.....	46.3	HG
33996	Heat treating of metal for the trade.	307.2	HG
33990	Primary metal products, n.s.k.....	46.9	VHG
3411-	Metal cans.....	2,960.4	MG
3421-	Cutlery.....	303.6	MG
34211	Cutlery, scissors, shears, trimmers, and snips.....	129.8	S
34212	Razor blades and razors, except electric.....	164.7	MG
34210	Cutlery, n.s.k.....	9.1	VHG
3423-	Hand and edge tools, n.e.c.....	819.0	MG
34231	Mechanics' hand service tools.....	421.3	MG
34232	Edge tools, hand operated.....	137.4	S
34233	Files, rasps and other handtools..	204.0	MG
34230	Edge and handtools, n.s.k.....	56.3	VHG
3425-	Handsaws and saw blades.....	152.1	MG
3429-	Hardware, n.e.c.....	2,395.2	MG
34291	Transportation equipment hardware.....	1,118.0	MG
34292	Furniture hardware.....	127.5	MG
34293	Vacuum and insulated bottles, etc.....	62.9	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
34294	Builders' hardware.....	665.3	MG
34295	Other hardware.....	362.6	MG
34290	Hardware, n.s.k.....	58.9	HG
3431-	Metal sanitary ware.....	(S)	D
3432-	Plumbing fittings, brass goods.....	419.1	D
3433-	Heating equipment, nonelectric.....	1,066.7	D
34331	Oil burners, except parts.....	53.1	D
34332	Warm air furnaces (except floor and wall), except parts.....	254.8	S
34333	Cast iron heating boilers, etc.....	165.8	S
34334	Domestic heating stoves, except electric, except parts.....	66.1	S
34335	Steel heating boilers.....	67.3	D
34336	Other heating equipment except electrical, including parts for non electric equipment.....	404.6	MG
34330	Heating equipment, nonelectric, n.s.k.....	55.0	HG
3441-	Fabricated structural steel.....	2,581.2	MG
34411	Fabricated structural metal for buildings.....	1,518.5	MG
34412	Fabricated structural metal for bridges.....	291.5	MG
34413	Other fabricated structural metal..	527.5	HG
34410	Fabricated structural steel, n.s.k...	243.7	HG
3442-	Metal doors, sash, and trim.....	1,407.1	S
34421	Metal doors and frames, except storm doors.....	412.8	MG
34422	Metal window sash and frames, except storm sash.....	329.7	S
34423	Metal molding and trim and store fronts.....	168.0	S
34424	Metal combination screen and storm sash and doors.....	233.4	D
34425	Metal window and door screens....	62.3	S
34420	Metal doors, sash, trim, n.s.k.....	200.9	VHG
3443-	Platework (boiler shops).....	2,587.6	MG
34431	Heat exchangers and steam condensers.....	377.0	HG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
34432	Fabricated steel plate.....	521.0	MG
34433	Steel power boilers and parts.....	557.6	MG
34434	Gas cylinders.....	72.8	MG
34435	Metal tanks, complete at factory (standard line, pressure).....	131.7	D
34437	Metal tanks, complete at factory (standard line, nonpressured)....	185.4	S
34438	Metal tanks custom-made at factory.....	404.0	HG
34439	Metal tanks custom-made and field erected.....	195.9	HG
34430	Boiler shops products, n.s.k.....	142.2	HG
3444-	Sheet metalwork.....	1,837.5	MG
34441	Sheet metal roofing, etc.....	481.3	MG
34442	Culverts, flumes, irrigation pipes..	187.9	S
34443	Other sheet metalwork.....	853.2	S
34440	Sheet metalwork, n.s.k.....	315.1	HG
3446-	Architectural metalwork.....	459.8	D
3449-	Miscellaneous metalwork.....	1,193.9	HG
34492	Prefabricated metal buildings and parts.....	421.2	HG
34493	Miscellaneous metal building materials.....	680.4	MG
34490	Miscellaneous metalwork, n.s.k....	92.3	HG
3451-	Screw machine products.....	1,110.4	HG
3452-	Bolts, nuts, rivets, and washers.....	1,739.4	MG
34521	Bolts and other standard industrial fasteners.....	1,077.4	S
34522	Special industrial fasteners.....	406.1	MG
34523	Headed products (produced by cold and hot heading), other than industrial fasteners.....	228.8	HG
34520	Bolts, nuts, etc., n.s.k.....	27.1	VHG
3461-	Metal stampings, including automotive.....	6,353.6	S
34611	Vitreous enameled products.....	64.5	D
34612	Job stampings, except automotive.	1,196.7	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
34613	Job stampings, automotive.....	3,903.4	MG
34614	Stamped and spun cooking utensils, aluminum.....	172.9	MG
34615	Stamped and spun cooking utensils, except aluminum.....	152.5	MG
34616	Metal commercial and home canning closures, except crowns....	220.3	MG
34617	Metal crowns.....	81.0	D
34618	Other stamped and pressed metal end-products.....	386.9	MG
34610	Metal stampings, n.e.c.....	175.4	HG
3471-	Plating and polishing.....	843.7	MG
3479-	Metal coating and allied services.....	471.1	HG
3481-	Miscellaneous fabricated wire products.....	1,369.6	S
34811	Noninsulated ferrous wire rope, etc., not produced by wire-drawers.....	89.2	D
34812	Precision mechanical springs.....	227.8	MG
34813	Other wire springs.....	303.2	S
34814	Ferrous woven wire products not produced by wiredrawers.....	49.2	D
34815	Nonferrous woven wire products not produced by wiredrawers.....	69.8	MG
34816	Fencing, not produced by wire-drawers.....	59.5	D
34819	Other fabricated wire products not produced by wiredrawers.....	451.6	MG
34810	Fabricated wire products, n.e.c., n.s.k.....	119.3	HG
3491-	Metal barrels, drums, pails.....	403.5	MG
34911	Steel shipping pails (12-gallon capacity or under).....	116.9	MG
34912	Steel shipping barrels and drums (over 12-gallon capacity).....	227.0	S
34913	All other metal barrels.....	52.1	S
34910	Metal barrels, drums, pails, n.s.k.....	7.5	VHG
3492-	Safes and vaults.....	94.6	S

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3493-	Steel springs.....	310.3	S
3494-	Valves and pipefittings.....	2,226.9	MG
3494X	Automatic, plumbing and heating, and other valves and fittings, including 34941, 2, 3, 4, 5, 6....	2,140.4	MG
34940	Valves and pipefittings, n.s.k.....	86.5	VHG
3496-	Collapsible tubes.....	50.3	MG
3497-	Metal foil and leaf.....	389.7	VHG
3498-	Fabricated pipe and fittings.....	517.9	MG
3499-	Fabricated metal products, n.e.c.....	1,293.0	VHG
3511-	Steam engines and turbines.....	1,156.8	D
35111	Steam, gas, hydraulic turbine generator set units and parts.....	762.9	HG
35112	Steam, gas, and hydraulic turbines and parts, including n.s.k. 35110.	393.8	HG
3519-	Internal combustion engines.....	2,486.8	MG
35191	Gasoline engines under 11 hp., except, aircraft, automotive truck, bus, tank; and 35192, over 11 hp.....	458.9	MG
35193	Diesel engines, except trucks, buses.....	465.6	MG
35194	Diesel engines (trucks and buses).	285.1	MG
35196	Gas engines, except gas turbines..	20.3	S
35197	Tank and converted internal combustion engines, including 35195, outboard motors.....	411.8	HG
35199	Parts and accessories for internal combustion engines.....	834.9	HG
35190	Internal combustion engines, n.s.k.....	10.2	VHG
3522-	Farm machinery.....	4,050.6	MG
35221	Wheel tractors and attachments, except garden and contractors'..	1,172.7	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
35222	Dairy machines, sprayers, and dusters, elevators, blowers, garden tractors, and motor tillers...	438.4	D
35223	Planting and fertilizing machinery..	200.0	HG
35224	Plows, listers, harrows, rollers, pulverizers, and stalk cutters.....	287.9	MG
35225	Harvesting machinery.....	627.6	MG
35226	Haying machinery.....	159.8	MG
35227	Lawn mowers and snowblowers....	499.3	HG
35228	All other farm machinery and parts.	534.7	HG
35220	Farm machinery and equipment, n.s.k.....	130.2	HG
3531-	Construction machinery.....	4,090.0	MG
35311	Contractors' off-highway wheel tractors, except parts.....	108.4	D
35312	Tracklaying type tractors, except parts and attachments.....	469.0	S
35313	Parts and attachments for track-laying and contractors' off-highway wheel tractors and shovel loaders.....	614.3	HG
35314	Power cranes, draglines, shovels, and parts.....	702.8	MG
35316	Mixers, pavers, etc., except parts..	168.0	MG
35317	Tractor-shovel loaders, except parts and attachments.....	513.2	MG
35318	Scrapers, off-highway, trucks, etc., except parts.....	754.5	MG
35319	Other construction machinery and equipment., and parts and attachments.....	705.8	MG
35310	Construction machinery, n.s.k.....	54.1	HG
3532-	Mining machinery.....	526.5	MG
35321	Underground mining equipment...	113.6	MG
35322	Crushing, pulverizing, and screening machinery.....	80.3	MG
35323	All other mining machinery and equipment.....	53.1	S
35324	Parts and attachments for mining machinery and equipment.....	237.4	MG
35320	Mining machinery and equipment, n.s.k.....	30.0	VHG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3533-	Oilfield machinery.....	742.5	S
35331	Rotary oil and gas drilling machinery.....	278.0	S
35332	Other oil and gas drilling machinery and equipment.....	46.5	MG
35333	Oil and gas field production machinery and equipment except pumps.....	286.2	S
35334	Other oil and gas field machinery and tools, except pumps, including water well.....	81.2	S
35330	Oilfield machinery, n.s.k.....	50.6	VHG
3534-	Elevators and moving stairways....	313.6	VHG
3535-	Conveyors and conveying equipment.	673.7	MG
35351	Conveyors for conveying equipment, except hoists and farm elevators.....	495.3	MG
35352	Parts, attachments, and accessories for conveying systems....	125.1	MG
35350	Conveyors, n.s.k.....	53.3	VHG
3536-	Hoists, cranes, and monorails.....	430.2	VHG
35361	Hoists.....	175.5	MG
35362	Overhead cranes and monorails...	228.2	HG
35360	Hoists, cranes, monorails, n.s.k....	26.5	VHG
3537-	Industrial trucks and tractors.....	837.8	VHG
3541-	Machine tools, metal-cutting.....	1,824.6	VHG
35411	Boring machines.....	112.7	HG
35412	Drilling machines.....	112.7	HG
35413	Gear-cutting and finishing machinery.....	68.5	MG
35414	Grinding and polishing machines, except geartooth grinding, honing, lapping, polishing, and buffing machines.....	265.8	MG
35415	Lathes.....	324.2	HG
35416	Milling machines.....	237.4	HG
35418	Other machine tools.....	394.3	HG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
35419	Parts for metal-cutting machines sold separately, and rebuilt machine tools.....	247.1	MG
35410	Machine tools, metal-cutting, n.s.k.....	61.9	VHG
3542-	Machine tools, metal-forming.....	693.5	MG
35421	Punching, shearing, bending and forming machines.....	155.0	HG
35422	Presses, including forging.....	234.5	MG
35423	Other metal-forming machine tools.	137.9	MG
35424	Parts for metal-forming machine tools and rebuilt machines.....	136.2	D
3544-	Special dies, tools, jigs.....	2,502.7	HG
35441	Special dies and tools, die sets, jigs, and fixtures.....	1,807.1	S
35442	Industrial molds.....	473.7	HG
35440	Special dies, tools, jigs, n.s.k.....	221.9	HG
3545-	Machine tool accessories.....	1,186.1	HG
35451	Small cutting tools.....	761.3	MG
35452	Precision measuring tools.....	135.8	MG
35453	Other attachments and accessories for machine tools.....	222.5	MG
35450	Machine tool accessories, n.s.k...	66.5	VHG
3548-	Metalworking machinery, n.e.c.....	1,033.9	HG
35481	Rolling mill machinery and equipment.....	302.7	MG
35482	Power-driven handtools.....	456.1	MG
35483	Welding and cutting apparatus, except electric.....	71.5	S
35484	Automotive maintenance equipment.....	74.5	MG
35485	Other metalworking machinery....	93.2	HG
35480	Metalworking machinery, n.e.c., n.s.k.....	35.9	VHG
3551-	Food products machinery.....	728.8	MG
35511	Dairy machinery and equipment...	86.9	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
35512	Commercial food production machinery.....	159.8	S
35513	Other industrial food production machinery, including parts.....	411.7	MG
35510	Food products machinery, n.s.k....	70.4	HG
3552-	Textile machinery.....	662.6	MG
35521	Textile machinery.....	358.8	S
35522	Parts and attachments for textile machinery.....	276.6	S
35520	Textile machinery, n.s.k.....	27.2	VHG
3553-	Woodworking machinery.....	302.1	MG
35531	Woodworking machinery except home.....	250.5	S
35532	Woodworking machinery, for home workshop, except power-driven handtools.....	35.7	MG
35530	Woodworking machinery, n.s.k....	15.9	VHG
3554-	Paper industries machinery.....	496.3	MG
3555-	Printing trades machinery.....	704.1	HG
35551	Printing presses.....	283.4	HG
35552	Other printing trades machinery...	386.1	MG
35550	Printing trades machinery, n.s.k...	34.6	HG
3559-	Special industry machinery.....	1,797.9	HG
35591	Chemical manufacturing industrial machinery.....	247.3	MG
35592	Foundry machinery, except patterns.....	144.6	MG
35593	Plastics-working machinery, except patterns and molds.....	270.6	MG
35594	Rubber-working machinery, except tire molds.....	119.9	MG
35595	Other special industrial machinery.	934.6	MG
35590	Special industrial machinery, n.e.c., n.s.k.....	80.9	VHG.
3561-	Pumps and compressors.....	1,988.4	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
35611	Industrial pumps, except hydraulic fluid power pumps.....	442.4	MG
35612	Hydraulic fluid power pumps and motors; vacuum pumps.....	243.5	MG
35613	Domestic water systems and pumps.....	151.4	HG
35614	Air and gas compressors, except refrigeration compressors.....	486.3	MG
35615	Pumps and compressors, n.e.c., except refrigeration compressors.....	246.4	MG
35616	Parts for pumps and compressors.	369.0	MG
35610	Pumps and compressors, n.s.k....	49.4	VHG
3562-	Ball and roller bearings.....	1,285.5	MG
35621	Ball bearings, complete.....	468.4	S
35622	Taper and other bearings, complete, including 35623.....	605.1	S
35624	Mounted bearings.....	89.9	MG
35629	Ball and roller bearings, parts.....	114.8	HG
35620	Ball and roller bearings, n.s.k....	7.3	VHG
3564-	Blowers and fans.....	491.7	MG
35641	Industrial fans and blowers.....	277.0	MG
35642	Air purification equipment.....	197.1	HG
35640	Blowers and fans, n.s.k.....	17.6	MG
3565-	Industrial patterns.....	216.6	MG
3566-	Power transmission equipment.....	1,321.0	MG
35661	Plain bearings.....	114.0	S
35662	Speed changers, industrial high-speed drives, and gears.....	527.6	MG
35663	Other mechanical power transmission equipment.....	640.7	MG
35660	Power transmission equipment, n.s.k.....	38.7	VHG
3567-	Industrial furnaces and ovens.....	376.7	HG
35671	Electric industrial furnaces and ovens, metal processing.....	99.5	HG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
35672	Fuel-fired industrial furnaces and ovens, metal processing.....	137.5	MG
35673	High frequency induction and dielectric heating equipment and parts for industrial furnaces and ovens.....		
35670	Industrial furnaces and ovens, n.s.k.....	121.0	MG
		18.7	VHG
3569-	General industrial machinery.....	965.0	HG
3571-	Computing and related machines....	4,929.6	VHG
3572-	Typewriters.....	481.2	MG
3576-	Scales and balances.....	131.7	MG
3579-	Office machines, n.e.c.....	449.0	MG
3581-	Automatic merchandising machines.	288.2	MG
35811	Automatic merchandising machines.....	225.6	MG
35812	Coin-operated mechanisms and parts.....	50.9	HG
35810	Automatic vending machines, n.s.k.....	11.7	MG
3582-	Commercial laundry equipment.....	215.0	MG
3585-	Refrigeration machinery.....	3,830.8	HG
35851	Heat transfer equipment including 35852, room and unitary air conditioners.....	2,245.3	HG
35853	Commercial refrigeration equipment.....	376.9	MG
35854	Compressors and compressor units.....	563.7	HG
35855	Condensing units.....	77.6	S
35857	Other refrigeration and air-conditioning equipment.....	510.1	MG
35850	Refrigeration machinery, n.s.k....	57.2	HG
3586-	Measuring and dispensing pumps....	155.1	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3589-	Service industry machines, n.e.c.....	613.1	VHG
35891	Commercial cooking equipment...	215.1	HG
35892	Service industrial machinery and parts.....	319.0	MG
35893	Commercial and industrial vacuum cleaners, including parts.....	27.6	MG
35890	Service industrial machinery, n.s.k..	51.4	VHG
3599-	Miscellaneous machinery, nonelectrical, except shop jobwork, 35993..	1,999.8	HG
3611-	Electric measuring instruments.....	1,192.1	MG
36111	Integrating instruments, electric	112.3	S
36112	Equipment for testing circuits.....	746.0	HG
36113	Other electric measuring instruments.....	301.3	MG
36110	Electric measuring instruments, n.s.k.....	32.5	VHG
3612-	Transformers.....	1,258.8	MG
36121	Natural-draft dry-type transformers (specialty).....	234.5	MG
36122	Power and distribution transformers, except parts.....	856.5	HG
36123	Power regulators, booster, etc., and transformer parts.....	154.3	MG
36120	Transformers, n.s.k.....	13.6	VHG
3613-	Switchgear and switchboards.....	1,675.1	MG
36131	Switchgear, including 36136, 36137, ducts and relays.....	719.7	MG
36132	Power circuit breakers, including 36135, circuit breakers.....	403.7	HG
36133	Switching and interrupting devices, 750 v and under.....	441.7	MG
36134	Fuses and fuse equipment under 2300 v, except power distribution cutouts.....	70.4	MG
36130	Switchgear and switchboard apparatus, n.s.k.....	39.7	VHG
3621-	Motors and generators.....	2,356.0	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
36211	Fractional horsepower motors.....	913.9	MG
36212	Integral horsepower motors and generators, except land transportation	538.6	MG
36213	Land transportation motors, generators, and control equipment..	134.0	MG
36214	Prime mover generator sets, except steam or hydraulic turbine..	199.4	HG
36215	Motor-generator sets and other rotating equipment.....	358.1	MG
36216	Parts for motors, generators, and motor-generator sets, except for land transportation equipment..	176.3	MG
36210	Motors and generators, n.s.k.....	35.7	HG
3622-	Industrial controls.....	1,107.2	VHG
3623-	Welding apparatus.....	456.8	HG
36231	Arc welding machinery, etc., except electrodes.....	184.3	S
36232	Arc welding electrodes, metal.....	157.7	S
36233	Resistance welders and parts.....	109.9	MG
36230	Electric welding equipment, n.s.k..	4.9	VHG
3624-	Carbon and graphite products.....	288.3	MG
3629-	Electrical industrial goods, n.e.c.....	432.0	S
36291	Capacitors for industrial use, except for electronic applications..	116.7	HG
36292	Rectifying apparatus.....	152.5	MG
36293	Other electrical equipment for industrial use.....	150.2	S
36290	Electrical industrial goods, n.e.c., n.s.k.....	12.6	HG
3631-	Household cooking equipment.....	733.1	S
36311	Electric household ranges, etc.....	404.7	MG
36312	Household ranges, etc., nonelectric	327.2	MG
36310	Household cooking equipment, n.s.k.....	1.2	HG
3632-	Household refrigerators.....	1,168.6	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
36321	Household refrigerators.....	1,006.9	MG
36322	Home and farm freezers.....	160.4	S
36320	Household refrigerators, n.s.k.....	1.4	VHG
3633-	Household laundry equipment.....	1,031.6	S
36331	Household washing machines and dryers.....	937.4	S
36332	Other household laundry equipment and parts.....	90.9	MG
36330	Household laundry equipment, n.s.k.....	3.3	VHG
3634-	Electric housewares and fans.....	1,106.2	HG
36341	Electric fans, except industrial....	120.0	MG
36342	Electric razors and dry shavers....	65.9	S
36343	Other small household electric appliances.....	833.2	MG
36344	Parts for small household electric appliances.....	64.4	MG
36340	Electric housewares and fans, n.s.k.....	22.7	HG
3635-	Household vacuum cleaners.....	276.0	VHG
3636-	Sewing machines.....	129.2	D
3639-	Household appliances, n.e.c.....	574.4	D
36391	Household water heaters, electric..	73.2	S
36392	Household water heaters, non-electric.....	137.7	D
36393	Other household appliances.....	354.2	MG
36390	Household appliances, n.e.c., n.s.k.....	9.3	VHG
3641-	Electric lamps.....	831.0	MG
3642-	Lighting fixtures.....	1,658.4	MG
36421	Residential type electrical fixtures, except portable.....	222.8	MG
36422	Commercial and institutional type electric fixtures.....	408.1	MG
36423	Industrial type electric fixtures....	127.9	HG
36424	Vehicular lighting equipment, electric.....	281.5	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
36425	Outdoor lighting equipment.....	217.9	MG
36426	Other lighting equipment, including portable.....	131.2	MG
36427	Residential type electric fixtures (portable).....	194.0	S
36420	Lighting fixtures, n.s.k.....	75.0	HG
3643-	Current-carrying wiring devices.....	833.6	S
3644-	Noncurrent-carrying devices.....	645.1	S
36441	Pole line and transmission hardware.....	148.4	MG
36442	Electric conduit and fittings.....	346.2	MG
36443	Other noncurrent-carrying wiring devices and supplies.....	147.2	MG
36440	Noncurrent-carrying devices, n.s.k.	3.2	MG
3651-	Radio and TV receiving sets.....	3,804.1	VHG
36511	Household and auto radios and radiophonograph combinations..	810.2	MG
36512	Household TV receivers.....	2,301.8	HG
36514	Audio equipment and accessories, including 36515.....	673.9	MG
36510	Radio and TV receiving sets, n.s.k..	18.2	HG
3652-	Phonograph records.....	315.2	VHG
3661-	Telephone, telegraph apparatus.....	2,441.7	HG
36611	Telephone switching equipment...	941.1	MG
36612	Other telephone and telegraph apparatus, equipment.....	1,491.6	MG
36610	Telephone and telegraph apparatus, n.s.k.....	9.0	VHG
3662-	Radio, TV communication equipment.....	8,309.6	VHG
36621	Communication equipment, non-household, including 36629.....	1,763.8	HG
36622	Radio and TV broadcast equipment.....	359.4	HG
36623	Intercommunication and electric alarms.....	253.8	MG
36624	Electronic navigational aids.....	1,184.7	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
36625	Electronic search and detection equipment.....	2,135.0	MG
36626	Electronic military equipment, n.e.c.....	1,538.7	HG
36627	Space satellite stations.....	60.6	S
36628	Missile-borne guidance systems...	849.3	S
36620	Radio and TV equipment, n.s.k....	164.3	VHG
3671-	Electron tubes, receiving type.....	247.5	D
3672-	Cathode ray picture tubes.....	718.9	VHG
3673-	Electron tubes, transmitting.....	401.9	D
3674-	Semiconductors, n.s.k.....	1,294.5	VHG
3679-	Electronic components, n.e.c.....	4,298.2	VHG
36792	Capacitors for electronic applications.....	452.2	MG
36793	Resistors for electronic applications.....	428.9	MG
36794	Coils, transformers, reactors, for electronic applications.....	418.1	MG
36795	Other electronic accessories, n.e.c..	2,808.9	HG
36790	Electronic components, n.s.k.....	190.1	VHG
3691-	Storage batteries.....	628.9	MG
36911	Storage batteries, SLI type.....	437.7	S
36912	Storage batteries, except SLI type, including parts.....	159.2	S
36910	Storage batteries, n.s.k.....	32.0	HG
3692-	Primary batteries, dry and wet.....	309.7	MG
3693-	X-ray apparatus and tubes.....	182.6	HG
3694-	Engine electrical equipment.....	1,306.5	HG
36941	Ignition harness and cable sets....	71.2	MG
36942	Battery charging generators.....	285.9	MG
36943	Cranking motors.....	223.8	HG
36944	Spark plugs.....	208.8	MG
36945	Other complete electrical equipment for internal combustion engines.....	329.3	MG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
36946	Parts for engine electrical equipment.....	157.3	MG
36940	Engine electrical equipment, n.s.k..	30.2	VHG
3699-	Electrical equipment, n.e.c.....	356.8	HG
36992	Lamp bulb components and other electrical products.....	210.9	MG
36996	Appliance wire and cord (manufactured from purchased materials).....	108.3	MG
36990	Electrical equipment, n.s.k.....	37.6	VHG
3711-	Motor vehicles, including 3712.....	32,085.0	MG
37111	Passenger cars.....	24,072.3	MG
37112	Truck tractors, chassis.....	5,337.6	MG
37113	Buses and fire department vehicles.....	181.7	S
37115	Passenger car bodies, including 37114, combat vehicles.....	2,473.5	S
3713-	Truck and bus bodies.....	667.0	HG
3714-	Motor vehicle parts and accessories.	14,167.6	MG
37141	Parts and accessories for motor vehicles, except kits and rebuilt..	13,774.7	D
37143	Rebuilt engines and parts for motor vehicles, except carburetors.....	208.5	MG
37140	Motor vehicle parts and accessories, n.s.k.....	184.4	S
3715-	Truck trailers.....	748.5	HG
3721-	Aircraft.....	10,716.0	S
37211	Complete aircraft, military.....	4,568.2	HG
37212	Complete aircraft, personal, utility, and commercial transport type, including 37213.....	4,746.0	VHG
37214	Modification of previously accepted aircraft.....	588.9	HG
37216	Other aeronautical services for aircraft.....	784.3	MG
37210	Aircraft, n.s.k.....	28.6	VHG
3722-	Aircraft engines and parts.....	4,922.0	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
37221	Aircraft engines for U.S. military customers.....	1,033.5	HG
37222	Aircraft engines, except for U.S. military customers.....	838.3	HG
37223	Aeronautical services on aircraft engines.....	558.9	MG
37224	Aircraft engine parts and accessories.....	1,552.8	HG
37225	Complete missile or space vehicles engines and/or propulsion units.	373.0	D
37226	R and D on complete missile or space vehicle engines.....	370.3	D
37227	All other services on complete missile or space vehicle engines....	82.3	MG
37228	Missile and space vehicle engine parts and accessories.....	80.7	D
37220	Aircraft engines and parts, n.s.k...	32.2	VHG
3729-	Aircraft equipment, n.e.c.....	5,989.0	D
37291	Aircraft parts and accessories, n.e.c.....	4,575.1	HG
37292	Missile and space vehicle parts and subassemblies, n.e.c.....	657.2	D
37293	R and D on aircraft parts.....	102.8	MG
37294	R & D on missile and space vehicle parts and components, n.e.c.....	428.4	S
37295	Aircraft propellers and parts.....	113.7	HG
37290	Aircraft equipment, n.e.c., n.s.k...	111.8	VHG
3731-	Shipbuilding and repairing.....	2,381.7	MG
37311	Nonpropelled ships, new construction.....	139.1	S
37312	Self-propelled ships, U.S. military, new construction.....	893.2	MG
37313	Self-propelled ships, nonmilitary, new construction.....	492.0	HG
37314	Ship repair, U.S. military.....	362.9	HG
37316	Repair of nonmilitary ships.....	455.1	MG
37310	Shipbuilding and repairing, n.s.k...	39.4	VHG
3732-	Boat building and repairing.....	570.8	MG
37321	Inboard motor boats.....	257.6	HG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
37322	Outboard motor boats.....	73.4	MG
37323	All other boats (sail, canoes).....	62.8	S
37324	Boat repair.....	80.5	HG
37320	Boat building and repairing, n.s.k..	96.5	HG
3741-	Locomotives and parts, including n.s.k., 37410.....	485.3	MG
37411	Locomotives, new and rebuilt, rail- road service and switching type..	277.2	VHG
37412	Mining and industrial locomotives..	2.7	D
37413	Parts for locomotives for sale separately	203.6	D
3742-	Railroad and street cars.....	1,049.0	VHG
37421	Passenger train cars, new.....	4.1	D
37422	Freight train cars, new.....	685.7	S
37423	Street cars and all parts and ac- cessories.....	351.3	D
37420	Railroad and street cars, n.s.k....	7.9	VHG
3751-	Motorcycles, bicycles, and parts....	307.6	HG
3791-	Trailer coaches.....	1,737.9	VHG
3799-	Transportation equipment, n.e.c.....	396.2	VHG
37991	Auto trailers, except housing.....	121.6	MG
37992	Other transportation equipment...	236.9	HG
37990	Transportation equipment, n.e.c., n.s.k.....	37.7	HG
3811-	Scientific instruments.....	1,104.7	D
38111	Navigational and scientific instru- ments, including 38112.....	920.2	HG
38113	Survey and drafting instruments...	140.9	MG
38110	Scientific instruments, n.s.k.....	43.6	VHG
3821-	Mechanical measuring devices.....	1,339.3	HG
38211	Aircraft engine instruments, ex- cept flight.....	108.4	HG
38212	Integrating meters, nonelectric....	195.8	MG
38213	Industrial process instruments....	722.9	MG

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
38214	Motor vehicle instruments, non-electric.....	56.3	HG
38216	Other mechanical measuring instruments.....	219.2	HG
38210	Mechanical measuring devices, n.s.k.....	36.7	VHG
3822-	Automatic temperature controls.....	550.5	MG
3831-	Optical instruments and lenses.....	481.6	VHG
38311	Optical instruments and lenses, except sighting and fire control..	382.2	HG
38312	Sighting and fire control equipment from lenses produced at same establishment.....	60.0	HG
38310	Optical instruments and lenses, n.s.k.....	39.4	VHG
3841-	Surgical and medical instruments...	572.0	VHG
3842-	Surgical appliances and supplies....	793.0	HG
38421	Surgical, orthopedic, prosthetic appliances and supplies.....	559.8	HG
38423	Personal industrial safety devices..	161.3	MG
38424	Electronic hearing aids.....	44.5	MG
38420	Surgical appliances and supplies, n.s.k.....	27.4	VHG
3843-	Dental equipment and supplies.....	235.7	HG
3851-	Ophthalmic goods.....	379.7	MG
3861-	Photographic equipment.....	3,505.2	VHG
38611	Still picture equipment.....	483.6	HG
38612	Photocopying equipment, including 38614 and 38610.....	849.8	HG
38613	Motion picture equipment.....	184.2	MG
38615	Photographic sensitized film.....	1,202.7	HG
38616	Sensitized photographic paper and cloth, silver halide type.....	255.5	MG
38617	Sensitized photo paper and cloth, other than silver halide type....	240.2	HG
38618	Prepared photographic chemicals.	204.6	HG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3871-	Watches and clocks.....	686.2	MG
38711	Clocks.....	302.0	HG
38714	Watches with imported movements.....	178.4	MG
38715	Watches with domestic movements and parts for all clocks and watches, including n.s.k., 38710.....	205.8	HG
3872-	Watchcases.....	51.8	HG
3911-	Jewelry, precious metal.....	723.8	HG
39111	Jewelry, platinum or gold.....	546.1	MG
39112	Jewelry, precious metals, except platinum or gold.....	124.9	MG
39110	Jewelry, precious metal, n.s.k.....	52.8	VHG
3912-	Jewelers' findings and materials.....	131.2	MG
3913-	Lapidary work.....	99.3	D
3914-	Silverware and plated ware.....	324.4	S
39141	Silver, plated, and stainless steel ware.....	134.5	MG
39142	Flatware.....	179.3	MG
39140	Silverware and plated ware, n.s.k..	10.6	HG
3931-	Musical instruments and parts.....	442.7	HG
39311	Pianos.....	96.5	S
39312	Organs.....	141.1	S
39313	Piano and organ parts.....	49.8	S
39314	Other musical instruments and parts.....	146.8	MG
39310	Musical instruments and parts, n.s.k.....	8.5	VHG
3941-	Games and toys.....	1,087.6	HG
3942-	Dolls.....	239.7	D
3943-	Children's vehicles.....	115.6	D

TABLE II: Volume of Shipments and Growth Characteristics of Selected Industries and Product Classes cont.

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3949-	Sporting and athletic goods, n.e.c....	929.3	MG
39491	Fishing tackle and equipment.....	120.4	MG
39492	Golf and athletic equipment, including 39493.....	734.3	MG
39490	Sporting and athletic goods, n.s.k..	74.6	VHG
3951-	Pens and mechanical pencils.....	228.0	S
3952-	Lead pencils and art goods.....	133.3	MG
39521	Lead pencils and crayons.....	74.3	S
39522	Artists' materials.....	54.9	MG
39520	Lead pencils and art goods, n.s.k..	4.1	VHG
3953-	Marking devices.....	121.7	VHG
3955-	Carbon paper and inked ribbons.....	221.9	S
3961-	Costume jewelry.....	388.0	D
3962-	Artificial flowers.....	95.7	D
3963-	Buttons.....	100.9	D
3964-	Needles, pins, and fasteners.....	426.9	MG
39641	Zippers and slide fasteners.....	213.1	MG
39642	Needles, pins, fasteners (except slide), and similar notions.....	193.5	S
39640	Needles, pins, fasteners, n.s.k....	20.3	HG
3991-	Brooms and brushes.....	311.0	S
39911	Brooms.....	33.8	D
39912	Paint and varnish brushes.....	96.4	MG
39913	Other brushes.....	159.1	S
39910	Brooms and brushes, n.s.k.....	21.7	HG
3993-	Signs and advertising displays.....	798.7	MG
39931	Luminous tubing and bulb signs...	195.1	MG
39932	Nonelectric signs and advertising displays.....	374.0	MG
39923	Advertising specialties.....	102.0	S
39930	Signs and advertising displays, n.s.k.....	127.6	HG

SIC code	Industry	1968 Value of shipments (millions of dollars)	Growth category
3994-	Morticians' goods.....	304.3	D
39941	Metal caskets, lined and trimmed..	139.1	S
39942	Wood caskets, lined and trimmed..	70.5	S
39943	Other caskets, vaults, supplements.....	74.2	MG
39940	Morticians' goods, n.s.k.....	20.5	HG
3996-	Hard-surface floor coverings.....	200.8	D
39961	Linoleum, including 39962.....	198.7	S
39960	Hard surface floor coverings, n.s.k.....	2.1	HG
3999-	Manufactures, n.e.c.....	961.5	MG
39991	Chemical fire extinguishing equipment and parts.....	92.6	HG
39992	Coin-operated amusement machines.....	50.9	HG
39993	Matches.....	71.1	S
39994	Candles.....	61.1	MG
39995	Lampshades.....	31.1	D
39996	Furs, dressed and dyed.....	46.8	S
39997	Umbrellas, parasols, and canes....	43.9	MG
39999	Other miscellaneous fabricated products.....	421.4	S
39990	Manufactures, n.e.c., n.s.k.....	142.6	VHG

n.e.c. = not elsewhere classified

n.s.k. = not specified by kind

NA = not available

(D) = Withheld to avoid disclosing figures for individual companies.

(S) = Census estimate withheld as not meeting publication standards.

General note: Figures shown for 1968 value of shipments are based on the *Annual Survey of Manufactures, 1968*, "Value of Shipments by Classes of Products," M68(AS)-2; and upon the *1967 Census of Manufactures*. In a number of instances the 1968 values are preliminary and, for a small number of cases, have been estimated on the basis of related data.

TABLE III

Example of Table I Data Use, List of Growth Industries With Selected Characteristics

DESCRIPTION OF CONTENTS

Table III is an example of one use of the basic Table I information. It lists 74 industries (selected from Table I) having five characteristics in common: a moderate or better growth trend, a moderate to very low capital investment, a moderate to very low average wage rate, a moderate to very high percentage of blue collar workers, and a moderate to very high labor intensity.

Industries having these five characteristics in common probably have a high potential for area development, since their locational requirements normally place considerable emphasis on the availability of an abundance of blue collar type labor. In addition, some communities will be interested in industry wage rates as an indicator of the degree of skills demanded by the industry.

As stated before, Table III is merely an example of a use of the data in Table I. Many other select lists of industries can be constructed by scanning Table I data symbols or a combination of symbols.

Criteria used and key to symbols

Table III is a list of industries with five characteristics in common based on information shown in Table I:

- (1) a moderate or better growth trend, symbols MG, HG, VHG;
- (2) a moderate to very low capital investment, symbols M, L, VL;
- (3) a moderate to very low average wage rate, symbols M, L, or VL;
- (4) a moderate to very high percentage of blue collar workers, symbols M, H, VH; and
- (5) a moderate to very high labor intensity (production worker wages as a percentage of value added), symbols M, H, or VH.

The columns show the SIC code, the number of employees, since labor characteristics make up the main basis for this table, and the Table I growth category.

**TABLE III: Example of Table 1 Data Use,
List of Growth Industries
With Selected Characteristics**

SIC code	Industry	Number employees (thousands)	Growth category
2022	Cheese, natural and processed.....	20.0	MG
2036	Fresh or frozen packaged fish.....	21.4	MG
2063	Beet sugar.....	11.5	MG
2256	Knit fabric mills.....	36.3	VHG
2295	Coated fabrics, not rubberized.....	17.5	VHG
2299	Textile goods, n.e.c.....	9.2	HG
2327	Men's and boys' separate trousers..	88.1	VHG
2331	Women's and misses' blouses.....	56.1	MG
2385	Waterproof outer garments.....	23.3	HG
2391	Curtains and draperies.....	25.7	VHG
2392	Housefurnishings, n.e.c.....	46.3	MG
2394	Canvas products.....	15.2	HG
2491	Wood preserving.....	12.2	MG
2499	Wood products, n.e.c.....	70.4	MG
2522	Metal office furniture.....	27.0	HG
2531	Public building furniture.....	22.6	MG
2642	Envelopes.....	22.5	MG
2643	Bags, except textile bags.....	46.3	MG
2645	Die-cut paper and board.....	18.6	HG
2646	Pressed and molded pulp goods.....	6.7	VHG
2651	Folding paperboard boxes.....	49.3	MG
2654	Sanitary food containers.....	35.3	MG
2655	Fiber cans, drums, etc.....	15.7	HG
2711	Newspapers.....	335.9	MG
2753	Engraving and plate printing.....	9.0	MG
2789	Bookbinding and related work.....	30.3	HG
3021	Rubber footwear.....	29.1	HG
3069	Fabricated rubber products, n.e.c.....	141.6	MG
3142	House slippers.....	12.5	MG
3221	Glass containers.....	66.7	MG
3272	Concrete products, n.e.c.....	56.8	MG
3293	Gaskets and insulations.....	18.5	MG
3299	Nonmetallic minerals, n.e.c.....	5.3	MG
3315	Steel wire and related products.....	27.3	MG
3361	Aluminum castings.....	45.2	HG
3362	Brass, bronze, copper castings.....	17.9	MG
3429	Hardware, n.e.c.....	100.8	MG

SIC code	Industry	Number employees (thousands)	Growth category
3443	Platework (boiler shops).....	96.4	MG
3444	Sheet metalwork.....	68.1	MG
3449	Miscellaneous metalwork.....	32.7	HG
3452	Bolts, nuts, rivets, and washers.....	67.2	MG
3491	Metal barrels, drums, pails.....	11.6	MG
3494	Valves and pipe fittings.....	95.3	MG
3496	Collapsible tubes.....	4.3	MG
3497	Metal foil and leaf.....	6.6	VHG
3498	Fabricated pipe and fittings.....	18.2	MG
3458	Metalworking machinery, n.e.c.....	46.7	HG
3552	Textile machinery.....	39.7	MG
3564	Blowers and fans.....	21.0	MG
3566	Power transmission equipment.....	54.8	MG
3572	Typewriters.....	26.0	MG
3581	Automatic merchandising machines.....	10.0	MG
3582	Commercial laundry equipment.....	7.5	MG
3612	Transformers.....	45.6	MG
3613	Switchgear and switchboards.....	68.5	MG
3621	Motors and generators.....	112.8	MG
3624	Carbon and graphite products.....	11.9	MG
3634	Electric housewares and fans.....	44.6	HG
3691	Storage batteries.....	19.3	MG
3699	Electrical equipment, n.e.c.....	13.6	HG
3713	Truck and bus bodies.....	30.4	HG
3715	Truck trailers.....	22.9	HG
3732	Boatbuilding and repairing.....	30.5	MG
3751	Motorcycles, bicycles, and parts.....	12.0	HG
3799	Transportation equipment, n.e.c.....	11.2	VHG
3822	Automatic temperature controls.....	31.4	MG
3843	Dental equipment and supplies.....	10.2	HG
3851	Ophthalmic goods.....	25.6	MG
3871	Watches and clocks.....	31.5	MG
3911	Jewelry, precious metal.....	29.9	HG
3912	Jewelers' findings and materials.....	5.5	MG
3941	Games and toys.....	55.1	HG
3952	Lead pencils and art goods.....	7.9	MG
3964	Needles, pins, and fasteners.....	19.2	MG

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